France Ready to Export Essential Oils—Page 5

Oil, Paint and Drug Reporter

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Penicillin Pretesting Legislation Drafted

OPD Washington Bureau

A new draft of the proposed legislation for the pretesting of penicillin, embodying the suggestions and compromises reached with members of the drug industry in conferences over the past several weeks, was forwarded April 10 to the American Drug Manufacturers Association, the American Pharmaceutical Manufacturers Association, the Proprietary Association, and others interested, by Dr. Paul B. Dunbar, Commissioner of Food and Drug Administration.

The draft is for their study and further comments on such changes as they think should be made. However, it appeared that the measure in its present form would be found acceptable and shortly will be transmitted to Federal Security Administrator Paul B. McNutt for recommendation to congress. The bill contains about all of the recommendations and suggested changes that the industry has made to the FDA.

Under the terms of the legislation a new section, section 701, would be inserted in the food, drug and cosmetic act to require the certification of any penicillin or penicillin products before shipments may be made in interstate commerce. Provision is made for discontinuance of certification when the Administrator finds it to be no longer necessary in the public interest. Also, he is authorized to exempt penicillin from the pretesting requirement before it is to be used in other products and to require only that the end product be certified.

Although the industry had argued originally for a time limit in the law within which the FDA must certify or reject a batch sent in for testing it was felt later that this may be inadvisable and a substitute provision was written amounting to a congressional declaration to the FDA that the tests should be conducted as quickly and promptly as possible and that those tests and methods of assay should be used as will provide certification or rejection in the shortest period of time.

Ampuls Inspection Electronic Device Studied

OPD Washington Bureau

The American Drug Manufacturers Association is entering into a contract with the Victor Division of the Radio Corporation of America authorizing the expenditure of a sum not to exceed $20,000 for research work looking towards development of an electronic device for inspection of ampuls.

Carson P. Frailey, Washington representative of the Association, said that the plan has been given strong support by the Army, Navy and the Food and Drug Administration, and that the ADMA will make requests to the WPB, with the support of these agencies, for priority assistance to obtain such materials as will be needed in the research work. Cost of the project is to be paid for by contributions from member firms of the association most interested in the development of the device.

ACS Convention Bid Rejected by WCC

OPD Washington Bureau

Officials of the Office of Defense Transportation said April 9 that the War Committee on Conventions has rejected the request of the American Chemical Society to hold its scheduled national meeting in Chicago, September 9 to 14.

Action was taken in line with the rejections of requests of other organizations to hold conventions which are not directly connected to the war effort. The officials said that they did not feel that the war effort would suffer if the ACS meeting was deferred.

Made Secretary

Stephen P. Kelly has been elected secretary of William S. Gray & Co., commission merchant, New York. Mr. Kelly, who has been assistant secretary, started with the Gray organization thirty-two years ago. F. R. Gates, head of the naval stores department, has been named assistant secretary and Joseph Armour has been made assistant treasurer. W. F. Henken continues as treasurer.

Sulphur Export Pacts Defended by Snyder

OPD Washington Bureau

Hearings were begun April 10 by the Federal Trade Commission in its investigation of the operations of the Sulphur Export Corporation under the Webb-Pomerene export law with the introduction into the record by counsel for the commission of some 600 exhibits pertaining to various agreements entered into by the corporation since it was formed in 1922, and to other functions it has performed for the industry. John W. Norwood, trial ex-

—*Continued on page* 43

Alkali Export Case Arguments to Be Heard

OPD Washington Bureau

Arguments are tentatively scheduled to be heard during the week of April 30 by the Supreme Court of the United States in the suit of the United States Alkali Export Association and the California Alkali Export Association to block proceedings brought by the Department of Justice against the associations and thirteen defendant domestic companies for alleged violation of the Sherman antitrust laws.

The associations have asked the court to nullify a decision of the United States District Court for the Southern District of New York which held that the Federal Trade Commission did not have exclusive jurisdiction over the export associations under the Webb-Pomerene export trade act. The arguments to be heard by the supreme court will be primarily on the question whether the appeal for review of the district court ruling should not follow the usual procedure of going first to the appellate courts before being filed with the supreme court.

Closure 'Trust' Suit To Be Heard April 24

The Federal Trade Commission will begin hearings in its action against the Crown Manufacturers Association of America, individual manufacturers, and others April 24. The hearings will be held in room 1121, New Post Office building, Chicago, and will be started at 10 a. m. on the above date.

W. W. Sheppard, a trial examiner for the commission, has been appointed to take testimony and receive evidence and to make the statutory report and recommendations in the matter.

WPB Names Eleven Groups To Guide Reconversion

OPD Washington Bureau

Organization of a committe that will be responsible for working out the details of problems involved in modifying and relaxing war and war-supporting production controls on industry, has been announced by J. A. Krug, chairman of the War Production Board. The committee, to be known as the "Committee on Period One" (CPO), will also be responsible for timing of the measures that will be taken and for the formulation of an over-all pattern to be followed as a guide in aiding the resumption of civilian production following "Victory-in-Europe" Day. "Period One" is the name given to the time expected to elapse between victory in Europe and victory over Japan.

This new group, which already has been working to make the coming reconversion transition period as orderly as possible, consists of sixteen top WPB officials representing all phases of the agency's operations. It is similar in composition and duties to the "Codcave" committee (Committee on Demobliziation of Controls After Victory in Europe), which was set up by WPB last Fall when the defeat of Germany looked imminent. It will be the policy of the committee to consult with all segments of industry so far as possible before final action is taken. The CPO is also consulting with other affected government agencies to ensure coordination of all government reconversion plans.

Chairman of the new committee is J. D. Small, executive officer of the War Production Board; the vice-chairman is S. W. Anderson, program vice-chairman and chairman of the requirements committe; the CPO executive is W. E. Haines, executive assistant to the program vice-chairman.

The committee is divided into eleven principal sub-committees, each charged with certain phases of the over-all problem, as follows:—

Committee No. 1, war programs and released resources, Bertrand Fox, chairman. This committee will make statistical analyses of military cutbacks and translate these cutbacks into terms of military end products, materials, manpower and facilities.

Committee No. 2, coordination of cutbacks and resumption, John H. Martin, chairman. This committee will deal with community problems, problems of principal plants and the utilization of particular facilities.

Committee No. 3, non-war programs, S. W. Anderson, chairman; Shaw Livermore, deputy chairman. This committee will deal with critically needed consumer products; critically needed producers equipment; and end products; materials and components for "Pipe Line Filling" and urgent non-military construction.

Committee No. 4, preparation for reconversion, W. C. Skuce, chairman. This committee will determine the condition of reconversion industries and make plans for major industries;

—*Continued on page* 42

Brand to Be Consultant For Davison Chemical

Charles J. Brand, who retired from the executive office of the National Fertilizer Association April 1, will become consultant to the president of the Davison Chemical Corporation,

Charles J. Brand

Baltimore, May 1. He will maintain his office in Washington, in room 1111, Investment building, for a time, at least.

Chester F. Hockley, president of the Davison company, emphasizing the view that postwar problems and conditions in the chemical field will call, not only for a high order, of industrial, technical, and business skill, but also for careful appraisal of trends and prospects in agricultural and governmental relations, said of Mr. Brand:—

With twenty years of responsible research, administrative, and consultative experience in the United State Department of Agriculture, and a like period managing the national trade association covering the whole field of the chemical fertilizer industry, Mr. Brand comes into the consulting field unusually well equipped.

Mr. Brand is currently vacationing at Sea Island Beach, Ga.

Alcohol from Pulp Liquor Plant in Operation

The Puget Sound Pulp and Timber Company, Bellingham, Wash., has started operation of a plant with a production of ethyl alcohol from pulp liquor. The plant, erected at a cost of $1,000,000, will operate at a 40 percent capacity, but will eventually get into a production of 5,500,000 gallons daily.

Vitamin Nutritional Value Probed in Canada

An investigation into the synthetic vitamin situation in Canada has been started by the Ministry of National Health and Welfare. The Canadian nutrition investigation will take many months, being part of a long-term program of the nutrition division, the research section organizing nutrition survey units to conduct and corelate chemical, biochemical and dietary studies necessary for a systematic definition of the nutrition problems of Canada.

Undersecretary Taylor Resigns Commerce Post

OPD Washington Bureau

Wayne C. Taylor has resigned as Undersecretary of Commerce. He has asked President Roosevelt to transfer him to a position concerned with "the international economic and social fields." Alfred Schindler, St. Louis, has been nominated to succeed Mr. Taylor.

A native of Chicago, Mr. Taylor was an executive of various investment banking firms in that city before coming to Washington in 1933 as executive assistant to the Agricultural Adjustment Administrator.

Pa. Drug Manufacturers Licensing Asked

Manufacturers of drugs and medical supplies would be required to register and obtain a license under the provisions of a house bill No. 1017, introduced recently in the Pennsylvania legislature by Representative Kennedy and referred to the public health and sanitation committee. The licensing calls for an annual fee of $5.

OPD Price Index

The Oil, Paint and Drug Reporter's relative record of prices for chemicals and related materials is currently as follows:—

Apr. 13, 1945	Apr. 6, 1945	Apr. 14, 1944
132.2	132.3	138.1

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Price activities were narrowly confined last week in the markets for chemicals, oils, and drugs. The vegetable categories contained all but a very few of them. The numbers of changes were mostly on the up side, but their net aggregate influence was slightly depressant.

A little easing of war rules in a few places was the only new influence on productive or distributive activities. Its effect has been practically nil but will be evident. The unexpected death of President Roosevelt naturally caused uncertainty, and this may be expected to prevail for a time.

Prices were advanced on dibutylamine, caraway, castor beans, Argentine coriander, damiana, dandelion, digitalis, elderflowers, ephedra, ephedrine, grains of paradise, orange oil, papain, and Turkish poppyseed futures.

Prices were reduced on celery seed, cloves, deertongue, elecampane, elm bark, gum arabic sorts, and curly oregano.

Recent Imports

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ACID, CRESYLIC—1,549 dms, Monsanto Chemical Co
BALL CLAY—909,440 lbs
BARBERRY ROOT BARK—60 bgs, Brown Agencies
BRISTLES—13 cs, Bank of London & South America
CAFFEINE, ANHYDROUS—30 bbls, Lo Curto & Funk
CASEIN—2,032 bgs, 224,000 lbs, Wm Diehl & Co
732 bgs, 80,000 lbs, Fleischman, Burd & Co, Inc
3,000 bgs, 330,000 lbs, Al Mismo
500 bgs, 55,000 lbs, E M Sergeant Pulp & Chemical Co
508 bgs, 56,000 lbs, National Casein Sales Co, Inc
3,400 bgs, 449,000 lbs, Casein Co of America
500 bgs, 55,000 lbs, J Henry Schroeder Banking Corp
1,000 bgs, 110,000 lbs, National Casein Sales Co
1,000 bgs, 110,000 lbs, Paul & Stein Bros
2,000 bgs, 220,000 lbs, American Cyanamid & Chemical Co
CASHEW KERNELS—83 cs, 4,150 lbs, Zaloom Co
159 cs, 7,950 lbs, T M Duche & Sons
CASTOR BEANS—28,864 bgs, 4,329,600, lbs, Baker Castor Oil Co
5,100 bgs, 765,000 lbs, Spencer Kellogg & Sons
CELERY SEED—1,028 bgs, 133,640 lbs, Arthur G Dunn
7 bgs, 910 lbs, Becker Mayer Seed Co
5 bgs, 650 lbs, W E Martin
CHALK, PRECIPITATED—850 bgs, H J Baker & Bro
CHINA CLAY—1,394,960 lbs
CLOVES—100 bls, 14,000 lbs, Geo Uhe Co
50 bls, 7,000 lbs, Green Trading Co
100 bls, 14,000 lbs, Kachurin Drug Co
10 bls, 1,400 lbs, E Miltenberg, Inc
50 bls, 7,000 lbs, M J Golombeck Co
50 bls, 7,000 lbs, Chemical Bank & Trust Co

—*Continued on page 70*

New England Motor Rate Increase Protected

A protest against increases in freight rates proposed by New England motor freight carriers has been filed with the Interstate Commerce Commission by the Office of Economic Stabilization and the Office of Price Administration. Motor carriers over the entire country may be expected to ask similar increase if those proposed for New England are permitted, OPA said. The higher rates would increase the cost of the war, OPA added, because the Federal government today is the country's largest shipper of freight.

The New England carriers have proposed increases of 2½ cents per 100 pounds in less-than-truckload freight rates and one cent per 100 pounds in truckload rates. The carriers contend that increased revenues are needed. The price agency in its protest cites the results of its auditing of the books of eleven New England carriers as indicating unwarranted expenses and salaries being reported to the I.C.C. and used in justification of the proposed rate increases.

Petroleum Resources Hearings to Be Held

A special committee of the senate investigating petroleum resources, headed by Senator Joseph O'Mahoney, of Wyoming, has announced its intention of making an immediate study of some of the most pressing problems facing the petroleum industry, from both a domestic and international standpoint. The preliminary agenda for the inquiry calls for public hearings on the following subjects:—

1. Cartels in relation to petroleum in world trade. This would include such questions as the registration of foreign contracts involving restrictions on production, transportation, marketing, etc. It would also involve the question of immunity from prosecution under the antitrust laws where the companies follow recommendations approved in advance by the government.

2. New sources of petroleum in the United States. This would relate to petroleum reserves under the coastal waters of the United States, in the public lands, and in lands privately owned.

3. The independent company. This will be conducted in cooperation with the senate committee on public lands, which has had jurisdiction of legislation affecting oil and gas on the public domain. Under this head would come an analysis of the position of the independent company in the search for oil, and in the refining, transportation, and distribution of oil and its derivatives.

4. Postwar disposal of pipe lines, refineries, and tankers.

5. Petroleum requirements in the United States. The investigation of this subject would include not only the consumption anticipated during the immediate postwar period in the usual uses of petroleum and its derivatives but also the demand arising from new discoveries and application of petroleum in industry generally. Likewise to be considered would be the relationship between domestic production and requirements, and the matter of the effect of imports on the domestic industry.

6. American petroleum industries in foreign countries. This would cover the field of diplomatic protection afforded to American oil interests in the principal producing areas abroad. Also involved is the effect of foreign legislation and policies on American companies subject thereto, both in producing and consuming countries.

Chemical Salesmen To Luncheon April 25

Harold W. Fisher, manager of the Chemical Products Department of the Standard Oil Company of New Jersey, will address the Salesmen's Association of the American Chemical Industry at a luncheon in the Hotel Roosevelt April 25. Mr. Fisher will discuss "The Petroleum Industry as the Supplier and Customer of the Chemical Industry." James G. Park, of the Standard Alcohol Company, will act as toastmaster. Reservations for the luncheon are in charge of William Harmon, jr., of the Calco Chemical Division of the American Cyanamid Company, 30 Rockefeller plaza, New York.

Col. Ralph Patch to Retire From Active Service

Lieut. Col. Ralph R. Patch will retire from active service April 20. Col. Patch became a reserve officer with the rank of Lieut. Col. in 1923, but was the rank of lieutenant-colonel in 1923, but was called into active service in December, 1942, and throughout this period he has been an executive in the supply service of the Surgeon General's Office, Washington. His helpfulness in military relations of the drug industry has been outstanding. Mr. Patch is head of the E. L. Patch Company, pharmaceutical manufacturer, Stoneham, Mass.

Bids Wanted

Acetic Acid, Glacial:—297,920 pounds, Contract Development Section, Procurement and Price Support Branch, Office of Supply (Commodity Credit Corporation), War Food Administration, Washington (25); announcement Awd-451, opening April 20.

Calcium Arsenate:—2,000 pounds, Division of Purchase, Sales and Traffic, Department of Agriculture, Washington (25); invitation 581-45, opening April 20.

Lard:—10,200 pounds, Commissioners, D. C., District Government Washington (4); schedule 6836, opening April 16.

Linseed Replacement Oil:—3,136 gallons, Chief, Purchase Division, Treasury Department, Procurement Division, Washington (25); invitation 5S-32127, opening April 17.

Oilseeds Meal Outlook to Be Discussed

OPD Washington Bureau

The Fertilizer Industry Advisory Committee will meet with the War Food Administration May 17 for a discussion of the fertilizer grade order (WFO-5), the edible oilseeds meal order (WFO-105) and the report of the fertilizer and liming materials policy committee of the Department of Agriculture. The complete agenda for the meeting is now being drafted by WFA and will be sent to members of the committee shortly. As usual the subcommittees will meet one day prior to the general session.

There is a possibility it is said that the two fertilizer orders may be revoked in the near future and the advisability of taking such action will be one of the points of the discussion at the meeting. There is some reason to believe in some quarters that the orders have served their purpose and are no longer needed. The oilseeds meal situation is understood to be in a better shape than heretofore and supplies, though in limited amounts, are now being made available for fertilizer purposes. Within the past three weeks small quantities of soybean meal, cottonseed meal and imported Brazilian cottonseed meal has been released for fertilizer use.

The highlight of the meeting, however, is expected to be the committee's discussions of the fertilizer policy report of the USDA national committee. The report, which recommends that the government become more active in the production of fertilizers, has been very disturbing to the industry and members undoubtedly will want a more thorough explanation than was given in the report as to the basic need of the government taking such action. Whether the industry committee will offer any counter proposals, however, has not been disclosed.

Surplus Property Disposal System Defined

OPD Washington Bureau

The Surplus Property Board has announced the agencies officially designated to dispose of surplus property under the surplus property act of 1944. The designations are made in the board's regulation No. 1.

The new regulation establishes the basic surplus property disposal system. It names the existing procurement agencies that are to act as disposal agencies and states the kinds of property that are to be handled by each of them. This system is designed to prevent sale of the same property by different agencies, to utilize existing government staffs and experience, and to speed disposals. The surplus property act requires the board to designate disposal agencies and to assign to one disposal agency property of the same type or class to avoid unnecessary duplication of disposal activities.

Soap Production Data Demanded by WPB

All soapers who used more than 1,000,000 pounds of fats and oils in the manufacture of soap of all types in 1940, 1941, or 1944, have been ordered to report to the War Food Administration by May 1, their production during those years of yellow laundry bar soap and bulk package soap flakes or powdered soap, other than washing powder.

WFA said that the purpose of requiring the report is to provide the government with a more accurate check on the industry's production capacity for these soaps in view of the heavy demands being made on supplies. The reports are to be filed on forms 42b.2-1 and 42b.2-2.

PetroleumAdministration Publicty Head Named

Ludwig Caminita, jr., of Arlington, Va., has been appointed director of public relations for the Petroleum Administration for War, succeeding Spencer W. Robinson, Houston, Tex., who has returned to Houston has a public relations consultant.

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Cottonseed Crush Up

Cottonseed crushed from August 1 to March 31, 1945, totaled 3,507,787 tons, as compared with 3,505,510 tons a year ago.

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

Drug manufacturers are being reminded that the new regulations of the Food and Drug Administration with respect to labeling under section 502 will become operative October 1 and that thereafter the industry must conform to these regulations or run the risk of being penalized.

Such a small number of labels has been submitted to FDA for review, in comparison with what was expected, that it is thought that maybe the industry has overlooked the fact that the time is growing short within which they must drop the use of the Rx legend and provide purchasers with adequate directions for use. That is the reason for the reminder at this time.

With the labor shortage and the difficulty of getting enough paper for printing labels being what it is, the industry can't afford to put off the time when it must squarely face the problem of revising labels to conform to the regulations.

Aluminum for Cosmetics

Although it is not the policy of WPB to grant regular CMP allotments of aluminum for manufacture of lipstick holders, cosmetic cases, and toilet articles, there is no prohibition on the use of aluminum in the manufacture of such products.

Direction 68 issued under CMP regulation No. 1 explains that "Z" allotments of aluminum can be obtained for the manufacture of these articles under certain circumstances from the field offices of WPB in accordance with the "spot authorization" regulation No. 25. "Z" allotments are those to be filled only after all other more urgent orders have been met.

Warplant Evaluation

Assistant Attorney-General Wendell Berge, of the antitrust division is proposing that, instead of the government's selling its surplus warplants when no longer needed, they be leased to private industry for such period of time as will demonstrate their value, not only from a monetary standpoint, but also in providing employment and opportunity for new enterprises.

He says that he does not see how it is possible now to place on the plants a monetary value in accordance with the objectives of the surplus property act, which is in terms of the property's future use. This is particularly true in the case of new industries which have mushroomed during the war period, such as the light metals, synthetic rubber, and aircraft industries.

A reasonable experiment period during which the property could be valued in terms of production and employment would help both government and industry. It would insure government's getting a fairer price for the plants. New enterprises would have had the opportunity to put the plants to their most effective use without the necessity of laying down a capital investment based to a large extent upon pure guess.

Quinine in Bolivia

In order to bring about a better balancing of the Bolivian economy, now so dependent on exports of tin and other minerals, the Bolivian Inter-American Development Commission is proposing a number of new or expanded industries in that country, including production of cinchona tree derivatives and establishment of an edible oils factory.

At the present time there is a plant in Bolivia producing quinine sulphate; it has a capacity of 200 kilograms monthly. New machinery has recently been obtained which will make possible a production of 1,000 kilograms. A further expansion of this production is considered desirable by the commission.

The edible oil industry has a field of activity sufficient to guarantee the repayment of invested capital in a new factory, the commission holds.

Trade Data Not Published

The first of a series of many reports on probable postwar trade in items which ran up to $100,000 or more in our trade before the war has been sent to the capitol by the Tariff Commission. The reports are being submitted under the terms of the Brewster resolution (S. Res. 341) of the Seventy-Eighth Congress.

Thus far the material forwarded to the senate consists of the general introduction to the report and separate sections on the tariff act's schedules 2 (earths, earthenware, and glassware), 6 (tobacco and manufactures), and 13 (rayon and manufactures). The reports on chemical items of schedule 1 will go up next.

The senate is holding up distribution or public inspection of the reports until they have all been filed and printed.

Ammonia Sulphate Supplies Loosened

OPD Washington Bureau

Fertilizer manufacturers in the States East of the Rocky Mountains have been given permission by the War Production Board to place orders for sulphate of ammonia for April and May shipment in excess of previously assigned tonnages. The purpose of this action is to enable manufacturers to meet the demand for mixed fertilizers caused by the early Spring in several sections and to relieve suppliers of the pressure of increased stocks.

Orders for ex-quota suppliers of the material may be placed with any supplier who is in position to accept and fill them without adversely affecting shipment against previous commitments. Suppliers will submit requests for approval of the new order in the usual manner on form WPB 2947, and approvals will be granted by WPB as supply and demand permit.

It was emphasized by the board that the responsibility for locating a supplier in position to accept the newly allowed business rests with the buyer. Any buyer who has not yet purchased or contracted for previously assigned tonnage should place orders at once for his needs; otherwise the tonnage not ordered will be used to fill the new orders now being allowed.

Proper Acrylic Plastics Use Discussed

The proper use of acrylic plastics in the fabricating of many plastics products featured the program of the dinner meeting of the newly organized fabricating division of the Society of the Plastics Industry, held at the Sheraton Hotel, New York, April 6.

More than 120 fabricators and members of SPI heard G. K. Scribner, president of the society, declare that "those of us in the plastics industry, and particularly those in the fabricating branch, are not in competition with each other so much as we are with a dozen other trades." Mr. Scribner, who was introduced by Charles H. Hunton of Hunton Plastics, presiding as chairman of the SPI Fabricating Division Committee, briefly sketched the development of association work in the plastics industry and emphasized the value of the cooperative approach to problems common to fabricators.

Speaking on "How to Get the Most Out of Acrylic Plastics," H. F. Pearson, director, Product Development Laboratory, Rohm & Haas Co., Bristol, Pa., stated that the most startling characteristic of the acrylic resin is its complete transparency, and added that even if deprived of this asset it would still have a good chance of surviving because of permanence, weather resistance, strength, hardness and ease of machining or hot forming.

15-Gal. Drum Sale Price for Navy Ceiled

OPD Washington Bureau

Dollar-and-cent ceiling prices have been established for used 15-gallon steel buoyancy type drums that the Navy Department is selling for civilian use, the Office of Price Administration has announced. A quantity of these drums has been sold by the Navy at Boston, Mass., to a buyer in New Jersey. The new ceilings, effective April 9, 1945, apply not only to this particular lot, but to any other drums of the same type that may be sold. These drums are made from 18-gauge steel.

Ceilings were established previously on used buoyancy type drums of 55-gallon and 20-gallon capacity, when sold by the Navy, and on any subsequent resales. The navy's ceiling for 15-gallon drums "as is" is 50 cents each. The ceiling for resellers of the drums "as is" is 70 cents each. On sales to users of drums that are reconditioned the ceiling is $1.45 each. All three ceilings are f.o.b. shipping point.

To sell at the "reconditioned" price ceiling, the used drum must be thoroughly cleaned, dedented, painted, fully repaired to insure that the drum is liquid tight, and be supplied with the necessary openings, closures and gaskets to make the drum fit for use as a shipping container.

French Essential Oil Industry In Position to Export to U. S.

OPD Washington Bureau

The floral and essential oil industry of France is now, for the first time since the liberation, in a position to make shipments to its prewar customers in the United States and other overseas markets, the Department of Commerce has announced. This French industry is centered in the Grasse region of the Alpes Maritimes, with other producing areas near Cannes, Valluaris, Bar and Seillans.

The announcement is based upon a report by Lester A. Barber of the Bureau of Foreign and Domestic Commerce specialist on floral and essential oils, perfumery and related products. Mr. Barber has just returned from France, where he made a firsthand survey for the Department of Commerce with the collaboration of the Department of State and the Foreign Economic Administration.

Although 100 percent resumption of normal manufacturing of the quality type of perfume and toilet preparations will not be possible in 1945 in any of the principal world markets, nevertheless, it is hoped that special arrangements now being worked out may ameliorate conditions.

Grasse producers informed Mr. Barber that their factories will be ready to produce to full capacity as soon as land and maritime transportation services are resumed and the difficulties of importing basic materials are overcome. The highly specialized staffs are practically intact and their buildings and industrial establishments are unharmed.

The current situation is somewhat less favorable with regard to aromatic botanicals, cultivation of which has suffered greatly from lack of artificial fertilizers, damage caused by military occupation, and scarcity of necessary hand labor. Stocks of the majority of the basic materials employed in processing likewise are greatly reduced, and shortages of coal, gasoline, special petroleum solvent, crystallizable benzene, and packing materials present serious problems.

Mr. Barber found that stocks of floral oils for foreign shipment are extremely short at present because of small crop yields in 1944. Moreover, very little output was reserved for overseas markets for two reasons: (1) Paris manufacturing perfumers could use total production at existing prices; and (2) no one expected the liberation of France to be effected so rapidly. The situation is expected to improve, however, as forecasts for 1945 for thirteen principal floral oils indi-

—*Continued on page 59*

Idle Materials Restrictions Eased

OPD Washington Bureau

Restrictions on sales of surplus, idle or excess materials were liberalized by the War Production Board. The action was taken through a revision of Priorities Regulation No. 13, which deals with such sales. One of the results of this move is that sellers may now make sales to newcomers, such as returning veterans, who want to establish wholesale or retail businesses. Previously, these kinds of sales required special permission from WPB.

However, the revision provides that where a seller doesn't know what a buyer is going to do with the material he purchases he may protect himself by getting a certification from the buyer that will establish either:—

1. That he is a producer of the material or product he is buying; or
2. That he is a reprocessor of it; or
3. That he will in good faith offer it for sale in substantially the same time and manner as would a person regularly dealing in these materials or products; that he will render substantially the same type of service as would such a person, and that he will comply with all applicable WPB regulations and orders; or
4. That he is buying it for use and not for resale and will use it in compliance with all applicable WPB regulations and orders.

Technical changes in the regulation include:—

1. Modification of the definition of "special sales." This has been changed so that the regulation applies to sales by persons who acquire or make the materials or products for use and not for sale or resale. The proposed revision will still cover sales at public auction, liquidation sales and surplus sales by government agencies; it will still exclude sales by persons regularly engaged in the business of selling the material.
2. Insertion of a provision that deals with sales through an agent.
3. The removal of chemicals from List A (relating to domestic sales) of the regulation and the addition of a provision stating that even though a special sale may not be restricted by this regulation the buyer may have to get permission to use the chemical under the applicable M-Order unless the small-order exemption applies.
4. A few other materials that were unrestricted were taken off since the list imposed no restrictions on their sales.
5. Provisions covering certain textile items were changed to require AA-5 or higher preference ratings only. Previously, these items could be sold only to someone who gave a rating at least as high as the original rating on which the item was acquired.

Cochrun to Aid Collyer In WPB Rubber Program

OPD Washington Bureau

The War Production Board has announced that Col. J. L. Cochrun, vice-president of the Seiberling Rubber Co., Akron, Ohio, will assist John L. Collyer, special director of rubber programs, for a limited period beginning this week. Mr. Collyer said that Col. Cochrun's first assignment relates to essential civilian needs for tires and other rubber products.

Medical Surplus Supplies Offered by Treasury

OPD Washington Bureau

The Office of Surplus Property Medical and Surgical Division of the Treasury Department will offer for sale on and after April 16, a varied amount of medical and surgical supplies. The materials may be purchased from the various regional offices in San Francisco, New York, Chicago, Cincinnati, and Boston.

Holland Leaves PAW

OPD Washington Bureau

George West Holland, who has served the Federal government since 1908, principally in oil conservation, has retired, Petroleum Administrator for War Harold L. Ickes has announced. Since June, 1944, he had been a special field assistant to Deputy Petroleum Administrator Ralph K. Davies, and was detailed to California.

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Diorthochlorobenzylcarvacryl Phosphite

Chemical—Starting point (U.S. 2250-0049) in making the thiophosphate by condensing with sulphur.

Lead-Nitroaminoguanidin

Explosives—Claimed (U.S. 2251101) as explosive

2-Methyl-2:4-pentanediol

(2-2-4)

Chemical—Coupling agent in organic syntheses.

Organic chemical which is an odorless liquid with flash point of 94°C, molecular weight of 118.17, refractive index, 1.4282 (20°C), and specific gravity, 0.922 (20°/20°C).

Miscible with acetone, aminomethylpropanol, benzene, betanaphthol, butanol, butyl acetate, normal butyl ether, carbon bisulphide, carbon tetrachloride, castor oil, chloroform, diacetone, dibutyl phthalate, 1:4-dioxane, ethanol, ethyl acetate, ethyl ether, ethylene dichloride, ethyleneglycol, gasoline (aviation), glycerin, isopropanol, mesityl oxide, methanol, nitroparaffins, orthodichlorobenzene, petroleum naphtha (light), toluene, tributyl phosphate, tritheylamine, water.

Cosmetic—As a blending agent, humectant, plasticizer, or stabilizer.

Ingredient of after-shaving lotions, face creams, hair tonics, hand creams and lotions, shampoos, shaving creams.

Dry Cleaning—Ingredient of spotting agents, solvent mixtures.

Ink—Ingredient of duplicator compositions.

Lubricant—As a blending agent or stabilizer.

Ingredient of cutting oils.

Miscellaneous—Blending agent in various products.

Ingredient of metal cleansers, rustproofing compounds.

Mild humectant in various products.

Plasticizer in various products.

Stabilizer in various products.

Textile—As a blending agent, humectant, plasticizer, or stabilizer.

Ingredient of mercerizing assistants, textile lubricants, vat-dye printing pastes.

Baltimore Paint Interests to Meet

A conference of paint manufacturing and distributing interests in Baltimore will be held in the Emerson hotel, April 21. The conference is sponsored by the Baltimore Paint and Varnish Production Club, the Baltimore Paint, Varnish and Lacquer Association and the Baltimore Paint Salesmen's Club. The chairman of the conference will be H. Braith Davis, president of the H. B. Davis Paint Company. The business session will open at 10 a. m. Among the speakers and their subjects are:—

"Color Pigments," Lloyd E. Kelly, of E. I. du Pont de Nemours & Co.

"Oils," Dan Healy, of Spencer Kellogg & Sons, Inc.

"Resins," Wilbur Whitescarver, of the American Cyanamid & Chemical Company.

"Cartons," H. W. Gwalthmey, of Hinde Dauch Paper Company.

"White Pigments," Gram W. Corddray, of the Titanium Pigments Company.

"Brushes," Kent Currie, of the Pittsburgh Plate Glass Company.

"Containers," D. B. Craver, of the American Can Company.

"Present Day Restrictions," B. M. Belcher, of the Chemicals Bureau of the War Production Board.

"Postwar Outlook," J. C. Kelly, of the Hilo Varnish Corporation.

Olive Oil Ass'n Elects Officers

The Olive Oil Association of America, Inc., has elected the following officers:—President, Robert S. Delaphena, of R. U. Delaphena & Co.; first vice-president, Clifford T. Weihman, of the Smith-Weihman Company, Inc.; second vice-president, Alfred Schroeder, of Schroeder Bros., Inc.; secretary, Jose M. Calderon, of the Victor M. Calderon & Co., and treasurer, Albert N. Cory, of Albert N. Cory, Inc.

20 Years as Devoe Head

E. S. Phillips, completing his twentieth year as president of Devoe & Raynolds, Inc., paint manufacturer, New York, has issued his annual report coincidentally with the company's celebration of its 190th year in business, in the course of which it has rendered notable service to the armed forces in the seventh war it has known since its establishment in 1754.

Argentina to Get Equality in Exports

OPD Washington Bureau

The Foreign Economic Administration has been instructed by the Department of State to give Argentina equal treatment in the future with other countries in the release of domestic scarce material for export. Heretofore shipments to Argentina have been limited to materials needed for health and sanitation purposes or to increase Argentina's output of scarce commodities needed in the United Nations' war effort.

It is now provided that Argentina shall get a proportionate share of United States scarce materials, as do Brazil and other South American countries. To make the new policy effective for the second quarter, however, would necessitate a rearrangement of export quotas, and it was indicated that the policy may not be applied until the third quarter.

Chemical Industry Gets 80% Steel Allotment

OPD Washington Bureau

Use of steel for maintenance, repair and operating supplies for the chemicals industry has been limited in the second quarter to 80 percent of the quantity used for the corresponding period in 1944, the War Production Board has reported. This control is established in direction No. 1 to Preference Rating Order P-89, governing maintenance, repair and operating supplies for the chemicals industry. WPB explained that this action was necessary by reason of the existing critical supply of steel.

Exempted from the restrictions of the direction are companies ordering for second quarter delivery less than 10 tons of carbon steel and two tons of alloy steel. Appeals may be made for special authorization to use additional quantities of steel, WPB added. Such requests should be made in accordance with paragraph (e) of P-89 and in addition should include the following information:—

1. The amount of steel the applicant is permitted to buy. 2. The additional amount required. 3. Reasons why the maintenance, repairs and operation must be continued, cannot be deferred, and cannot be supplied out of inventory. 4. Reasons why other maintenance, repair or operation cannot be deferred to provide the needed steel.

Sugar Foundation Makes Six Research Grants

Six grants to scientists have been announced by the Sugar Research Foundation, an association of growers and processors of cane and beet sugar, which is sponsoring research into new industrial and nutritional uses for sugar. The awards amount to $45,400, bringing to more than $300,000 the total funds which the Foundation made available to science for this purpose.

S.O.C.M.A. Opposes Passage Of Doughton Trade Measure

That enactment of the Doughton bill (H.R. 2652) would not benefit American industry was contended in a brief submitted to Hon. R. L. Doughton, chairman of the ways and means committee of the House of Representatives, by August Merz, as president of the Synthetic Organic Chemical Manufacturers Association of the United States.

The main purpose of the Doughton bill calls for an extension of the reciprocal trade agreement act until June, 1948. The bill would also permit the President to lower tariff rates by as much as 50 percent from the January 1, 1945, levels in the course of negotiating reciprocal trade agreements.

Mr. Merz said that a striking illustration of the economic value of the industry is shown in the fact that prices of chemicals and allied products in the first World War went from an index figure of 100 in 1914 to 245 in 1918, whereas, in the present war, prices have risen from 100 in 1939 to 130 in 1942 and have since declined somewhat. He said:—

Proponents say that the Doughton bill will create jobs to make the things we will export. Obviously, this can only be true if the things we import do not displace more jobs than the exports provide. We have no objection to the vast number and quantity of commodities we always import which do not displace jobs.

The very nature of H.R. 2652, however, indicates an intention to import commodities that we now produce for ourselves. It naturally follows that if we import enough of such competitive goods to be of substantial benefit to other nations, we will of necessity displace a great many American jobs.

It is not merely the question of the consumer price lowered to the last point of possible profit. If a reduction is sufficiently large the total supply can be imported and the domestic production scrapped, since no quantitative limitation of imports is proposed. On the other hand, if duties are not reduced far enough to benefit the foreign producer, then the whole thing is a futile gesture.

Our principal objectives in the United States have been and will continue to be high living standards; high wages and high level of social security.

With such objectives we must devise plans which, while promoting international economic cooperation, will on the other hand not defeat our domestic objectives. The objectives thus become the yardstick by which to measure the effectiveness of the plans devised.

Full employment in the United States is paramount both for the realization of our domestic objectives, as well as to make fruitful our cooperation in international affairs.

We recommend the following:—

(1.) As we believe that the Reciprocal Trade Agreements Act is unconstitutional and that H.R. 2652 asks Congress to further abdicate its constitutional duty to regulate commerce, we suggest that a more suitable plan can be devised.

(2.) We ask that Congress preferably write a new bill, or if the framework of the existing Section 350 (Trade Agreements Act) is to be used, amend it so that in either case a constitutional method of rate making will be provided.

(3.) The Congress should provide the economic basis or yardstick which is to be determinative in (a) deciding whether an existing tariff rate is too

—Continued on page 59

Chicago Drug, Chemical Ass'n Elects Officers

Harry E. Dunning, of Albert Verley & Co., has been elected president of the Chicago Drug and Chemical Association.

Other newly elected officers are:—vice-president, Dale F. Ruedig, of Eli Lilly & Co.; secretary, John L. Thomas, Joseph Turner & Co.; treasurer, Wilson I. Dean, Dow Chemical Company.

Harry E. Dunning

Newly elected directors to serve for a term of two years are:—Edgar E. Brand, of L. Sonneborn Sons, Inc.; Ed Davis, of Davis & Devis, Inc.; A. L. Starshak, of the Walgreen Company, and Charles R. O'Malley, of Professional Journals. Directors remaining in office are:—James M. Murphey, of the Solvay Sales Corporation, Gerald F. Pauley, of the Monsanto Chemical Company, Bruce Puffer, of the Kimble Glass Company, and Talmadge B. Tribble, of the Magnus Mabee and Reynard, Inc.

Chlorine, Chlorate Units In Nevada Change Hands

OPD Washington Bureau

Beginning May 1 the Stauffer Chemical Company will take over operations of the chlorine and caustic soda plant of the Basic Magnesium Company at Las Vegas, Nev., it was confirmed in government quarters April 12.

Up until the present time the plant has been operated for the government by the Anaconda Copper Company. Since the production of magnesium at the Las Vegas plant is no longer needed for the war effort its various facilities are being turned over to other firms for operation.

It is also understood that the Western Electrochemical Company will take over production of potassium chlorate at the plant; the Remanufacturing Company will handle the making of 105 mm shells, and the warehousing operations at the plant will be under the Cornwall Warehouse Company.

Trenton Technical Society Formed

The Trenton Technical Society has been formed with Gerald P. Roeser of the Thiokol Corporation, as president. N. R. Yorke of the Panelyte Company has been elected vice-president and Newell Perry of the Thermoid Company has been named secretary-treasurer. The society which is opened to those engaged in various scientific fields in the Trenton, N. J., area will hold its second meeting May 1.

Metals Chemical Division Formed by U.S. Vanadiu

The United States Vanadium Corporation, a unit of Union Carbide & Carbon Corporation, has formed a new division to be known as the Metal Chemical Division. This division will manufacture and market inorganic compounds of certain metals, including tungsten, molydenum, vanadium and others in the industrial field.

J. A. Holladay has been elected a vice-president of United States Vanadium Corporation, and has assumed charge of this new division. Production and sales will be under the direction of A. J. Gailey, manager. Mr. Holloday's headquarters will be at 30 E. 42nd street, New York. Mr. Gailey's headquarters address is Post Office Box 519, Niagara Falls, N. Y.

Knudsen to Return To Army Production Post

Lieut. General William S. Knudsen, director of the Air Technical Command, will return to his former post as Army production chief on May 1. He will be succeeded by Major General Bennett E. Meyers, now deputy director of the A.T.S.C.

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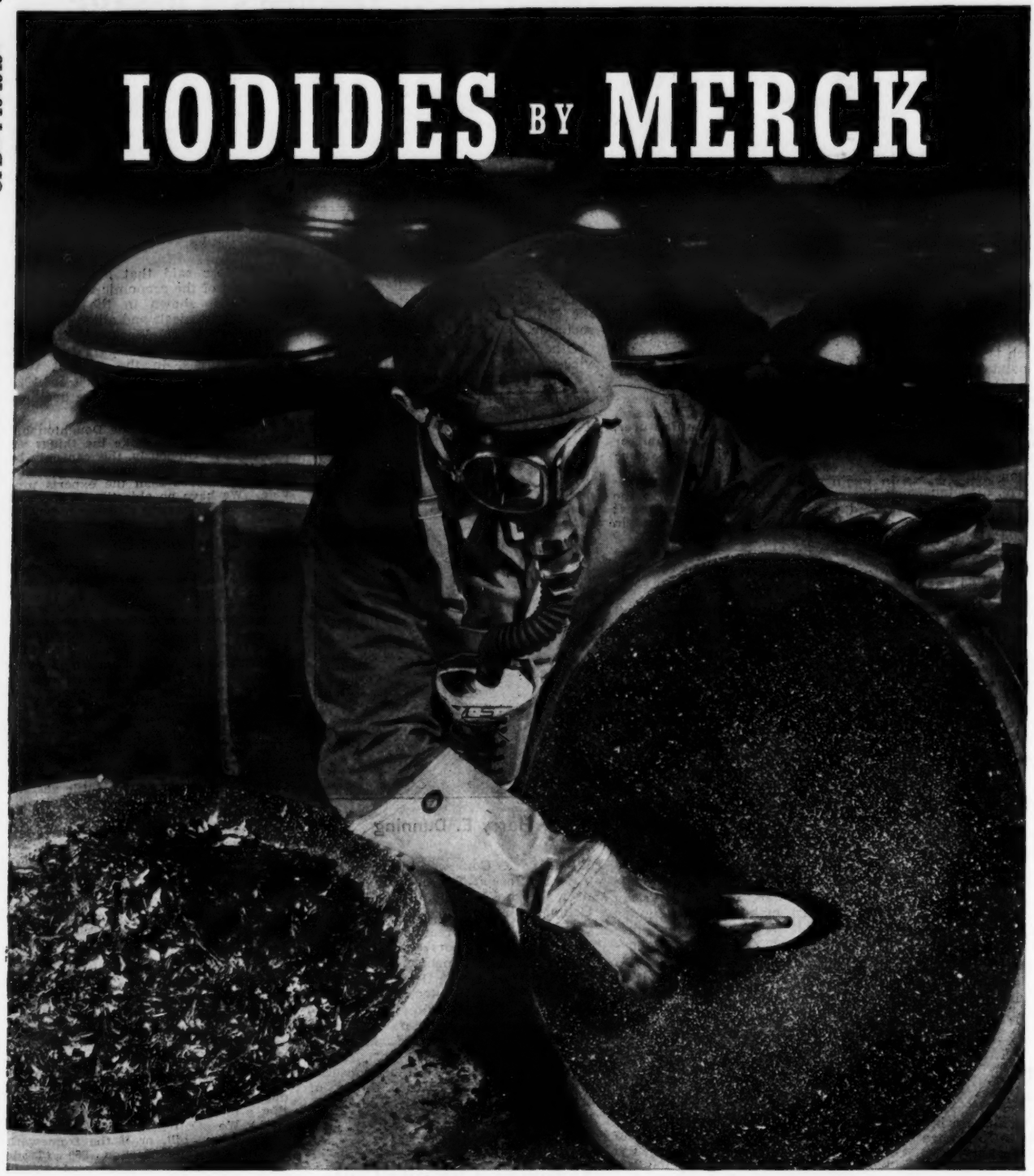

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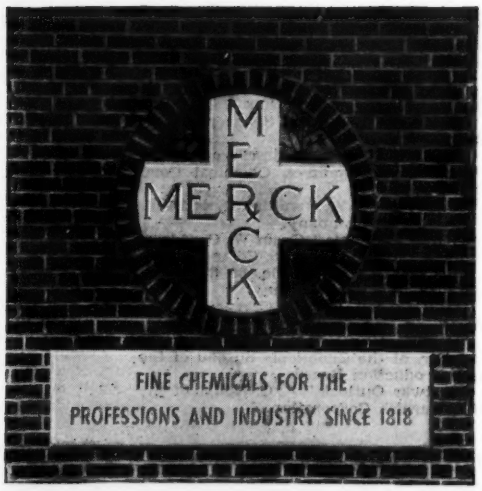

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Current Market Quotations Chemicals and Related Materials

April 13, 1945

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, Arabic).
Acetaldehyde,[4,6] 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works....lb. .14 - —
Acetaldol (see Aldol).
Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs.....lb. .37 - .39
powd., bbls.....lb. .34 - .35
kgs.....lb. .35 - .37
Acetic anhydride,[6] dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —
Acetoacetanilide, bbls., dms...lb. .49 - .67
Acetone, CP,[1,6] dms., c.l., divd. E..lb. .08 - —
l.c.l., divd. E.....lb. .08½- —
tanks, divd. E.....lb. .07 - —
Acetone prices in West, ½c. per lb. higher.
Methyl (see M).
Acetonitrile, dms., c.l., works..lb. .60 - —
l.c.l., works.....lb. .75 - —
5-gal. lots, works.....lb. .80 - —
less than 5-gal. lots, works. lb. .90 - —
Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms.....lb. 1.08 - 1.10
Acetophenone, cns., dms.....lb. 1.68 - 1.75
Acetyl chloride, cbys., works..lb. .60 - —
Acid, abietic, dms., c.l., wks...lb. .07½- —
Acetic,[1,6] com'l or redist., 28% bbls..100 lbs. 3.38 - 3.63
50%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., c.p., dms., works..100 lbs.12.50 -13.25
99.5%, bbls.....100 lbs. 9.15 - 9.40
tanks.....100 lbs. 6.93 - 7.25
synth., tech., bbls., works.. 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.93 - 7.25
USP, dms., works..100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.26 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities, Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride,[6] (see Acetic anhydride).

Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots, same basis, lb. .46 - .59
standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .40 - —
smaller lots, same basis, lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic,[6] fib. dms., works....lb. .26½- —
Aminoacetic, USP (see Glycine).
Anthranilic, resub., bbls....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —
Arsenous[6] tech. (see Arsenic, White).
USP, powd., dms., kgs....lb. .20 - .22
Ascorbic,[1] USP, dms., 500-kilo lots..kilo.24.50 - —
25-50-kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., E. works.....100 lbs. 1.95 - 2.55
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs. up...lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Betaoxynaphthoic, bbls., works, lb. .95 - —
Boric,[2] tech., 99.5% cryst. (same as prices for powder), gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton.95.50 - —
powd., bgs., c.l., frt. alld.. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —

USP $25 per ton higher.

Acid, butyric, 99%, dms., c.l., works..lb. .29 - —
l.c.l., same basis.....lb. .30 - —
Broeners, bbls.....lb. 1.11 - —
Cacodylic, bots.....lb.13.50 -15.50
Camphoric,[2] cns.....lb. 6.95 - 7.00
Caprylic, 90%, dms.....lb. No stocks
Capric, tech.,[6] ret. dms.....lb. No stocks
Castor oil,[1] split, ret. dms...lb. Nominal
Chlorosulphonic, dms., c.l., wks. lb. .03 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —
Chromic,[6] 99½-99¾%, dms., c.l. lb. .17 - —
l.c.l.....lb. .17½- .19
Cinnamic, refd., bots.....lb. 3.50 Nom.
Citric,[6] anhyd., gran., dms., c.l...lb. .22½- —
l.c.l., 10,000 lbs, 1 ship't. lb. .23 - —
smaller lots.....lb. .23½- .26½
kgs.....lb. .24 - —
USP, cryst., gran., bbls., c.l.lb. .20 - —
l.c.l., 10,000 lbs., 1 ship't. lb. .20½- —
smaller lots, bbls....lb. .21 - —
dms.....lb. .23 - .24
kgs.....lb. .21½- —
powdered citric acid ½c. higher.
Cleve's, bbls.....lb. .65 - —
Coconut oil,[1,6] dist., dms....lb. .17½- .19½
Corn oil,[1,6] s.d., dms., c.l., works..lb. .12 - —
Cottonseed oil,[1,6] s.d., ret. dms., c.l...lb. .12 - .13
tanks, divd.....lb. .11¼- .12¼
Cresylic,[3,6] dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .83 - —
tanks.....gal. .75 - —
Petroleum, heavy grade (247°-298°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref...gal. .616 - —
1-19, Cal., ref.....gal. .510 - —
Sewaren, N. J., ref..gal. .636 - —
tanks, divd.....gal. .586 - —
light grade (200°-246°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-246°), dms., 20, Cal. ref..gal. .550 - —
Sewaren, N. J., ref..gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref..gal. .696 - —
tanks, divd.....gal. .646 - —
Crotonic, bbls., Canadian, wks. lb. .25 - —
Dichlorophenoxyacetic, cns., dms., works..lb. .85 - 1.10
Diethylbarbituric (see Barbital).
F (see Acid, Monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works.....lb. .10½- .11
90%, cbys., c.l., works.....lb. .10½- —
l.c.l.....lb. .11 - .11½
Fumaric, tech., bbls., dms...lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
dmjn.....lb. .21 - .23
kgs., 100 lbs.....lb. .14 - .15
Glutamic hydrochloride, dms., lb. 2.00 - 2.40
Glycolic (see Acid, hydroxyacetic).
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, conc., cbys....lb. .35 - .37
diluted, cbys.....lb. .20 - —
Hydrochloric (see Acid, Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
N.F., dilute, 2%, 5-lb. bots., lb. .30 - .34
Hydrofluoric, anhyd.,[6] cyls., works..lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works...lb. .08 - .09
48%, rubber dms., works...lb. .12 - —
52%, rubber dms., works...lb. .12½- —
60%, rubber dms., works...lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09
Hydroxyacetic, 70% tech., bbls., non-return., Phila..lb. .084 - —
tanks, works, acid basis, lb. .08½- —
Hypophosphorous, USP djns., lb. .75 - .77
Lactic,[6] edible, 50%, cbys., 20 or more..lb. .12½- —
smaller lots.....lb. .13 - .13½
80%, bbls., 5 or less.....lb. .24¼- .24¾
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14¼- —
ten or less.....lb. .14¾- .15¼
80%, bbls., cbys., 5 or less, lb. .26 - .26½
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75% cbys.....lb. .52 - .56
Lauric,[3] dist., 95%, dms....lb. .28 - —
Laurent's, bbls.....lb. .45 - —
Linseed oil,[1,3] light, dms...lb. .21½- .22
dms., spot.....lb. .21½- .22
tanks, divd., E.....lb. .17½- .19¼
Acid, Maleic,[6] powd., dms....lb. .30 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000 lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., flakes, 96-97%, dms..lb. .16½- —
purified, flake, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., E works.....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys. extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys. extra.....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —
Myristic,[3] dist., dms.....lb. No stocks
Naphthenic,[6] 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —
Nicotinic, USP, dms., 50-kilo lots up..kilo. 7.00 - —
10-kilo lots.....kilo. 7.10 - —
2½-kilo lots.....kilo. 7.20 - —
1-kilo lots.....kilo. 7.30 - —
Nicotinic amide (see Nicotinamide)
Nitric,[6] 36°, cbys., c.l., E. works..100 lbs. 5.00 - —
l.c.l., 25, E., works.100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., bots., cs., extra..lb. .11½- —
dealers, cbys. extra....lb. .11½- —
7-lb. bots., cs., extra..lb. .13½- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11½- —
smaller lots.....lb. .12½- —
Palm oil,[3] white, dist., dms..lb. No stocks
tanks.....lb. No stocks
Para-aminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls. works..lb. .80 - —
Peanut oil,[1,3] s.d., tanks, works, lb. .11¼- —
Phenylacetic, bots.....lb. 3.00 - 3.25
Phosphoric,[6] food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld., 100 lbs. 5.25 - 7.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld...100 lbs. 7.00 - 9.50
tanks, works, frt. equald, 100 lbs. 4.00 - 4.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10½- —
25 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic,[1] synth., pure, 55-gal. dms., works..lb. .19½- —
tanks, works... .....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - —
cns.....lb. 1.63 - —
USP., cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, bbls., divd. E... gal. .30 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l....lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44
Sebacic, tech., dms., works..lb. .55 - .57
Soybean oil,[1,3] s.d., dms., works, lb. .11¾- .16½
tanks, works.....lb. .11 - .15¾
Stearic,[1,3] double press., bgs.lb. .15⅞- .16⅞
single pressed, bgs.....lb. .15⅜- .16⅜
triple pressed, bgs.....lb. .18⅜- .19⅜
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works..lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric,[6] 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., ...lb. 1.50 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works..... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
C.P., USP, consumers, cbys. extra..lb. .08 - —
9-lb. bots., cs. extra..lb. .10 - —
dealers, cbys. extra.....lb. .06½- —
9-lb. bots., cs. extra..lb. .08½- —
fuming, 20%, tanks, E. works. ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .78
USP, fluffy, bbls., 1,000 lbs.. lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powd., bbls., 1,000 lbs..lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Acid, tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .70¼- —
smaller lots.....lb. .71 - —
kgs.....lb. .71½- —
Thioglycolic, highly purified, bbls., cbys., basis 100%..lb. 5.00 - 7.00
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[6] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.15 - —
Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -46.00
15-gr. vials.....vial. 1.66 - —
Acrylonitrile, dms., c.l., frt. alld. lb. .39½- —
l.c.l., works.....lb. .40 - .41
tankcars, frt. alld.....lb. .39 - —
Adeps lanae,[1] USP, anhyd., cosmetic, dms., works..lb. .33 - .34
pharmaceutical, dms., works..lb. .32 - .33
Agar.....lb. 3.50 - —
San Diego, Cal.....lb. 3.00 - —
Agaric, white, bls.....lb. 3.75 - 4.00
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1] powd., bbls....lb. 1.86 - 1.96
granular, cryst., bbls....lb. 1.81 - 1.91
tech., cryst., bbls.....lb. 1.40 - 1.55
Alcohol, allyl, dms., c.l., divd..lb. .29 - —
l.c.l., divd.....lb. .30 - —
tankcars, divd.....lb. .28 - —
Amyl[6] ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .141 - —
l.c.l., frt alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .65 - .75
dms.....lb. .63 - —
Butyl, normal,[1,6] ferment., Ill., Ind. prod., dms., c.l., frt. alld..lb. .1880- —
l.c.l., frt. alld. E....lb. .1930- —
tanks, frt. alld. E....lb. .1780- —
tankwagons, frt. alld. E. lb. .1830- —
other production, dms., c.l., frt. alld. E..lb. .1950- —
l.c.l., frt. alld. E....lb. .2000- —
tanks, frt. alld. E....lb .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E....lb. .12¼- —
tanks, frt. alld. E.....lb. .10¾- —
Normal butyl alcohol prices in West, ½c. per lb. higher.
secondary,[6] dms., c.l., divd. E. of Miss..lb. .091 - —
l.c.l., same basis.....lb. .096 - —
tanks, same basis.....lb. .085 - —
tertiary, denat., dms., c.l..lb. .125 - —
l.c.l., dms.....bl. .13 - —
tanks .....lb. .11 - —
Capryl,[6] dms., c.l., works..lb. .17½- —
l.c.l., works.....lb. .18¾- —
tanks, works.....lb. .16 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.80 - —
smaller lots.....lb. 1.90 - 2.00
Cinnamic, bots.....lb. 4.00 - 4.25
Denatured,[1,3,6] CD14, dms., c.l., works, E..gal. .57 - —
l.c.l., works, E.....gal. .59 - .62
tanks, E. divd.....gal. .50 - —
tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., E. works..gal. .57 - —
l.c.l., works, E.....lb. .59 - .62
tanks, E. works.....gal. .50 - —
Anhydrous 3c. per gal. higher.
SD2B, dms., c.l., wks., E.gal. .55 - —
l.c.l., works, E.....gal. .59 - .60
tanks, E. works.....gal. .48 - —
SD23G (replaced by SD28H).
SD23H, dms., c.l.....gal. .56½- —
l.c.l., works, E.....gal. .58½- .61½
tanks, E. works.....gal. .49½- —
SD29, denatured, with acetaldehyde, dms., c.l., E. works. gal. .56½- —
l.c.l., works, E.....gal. .60 - .63
tanks, E. works.....gal. .49½- —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD2B, plus 1½c. per gal. denaturing charge.
Special solvent, dms., c.l., works, E..gal. .58 - —
l.c.l., works, E.....gal. .60 - .63
tanks, E. works.....gal. .51 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone,[6,8] acetone-free, dms., c.l., divd..lb. .11½- .14⅛
l.c.l., divd.....lb. .11⅝- .15
tanks, divd.....lb. .10¼- .13½
tech., dms., c.l., divd.....lb. .11 - .13¼
l.c.l., divd.....lb. .11½- .14
tanks, divd.....lb. .10 - .12¾
Ethyl,[6] 190 pf., dms., c.l., works..gal.17.67 - —
l.c.l., works.....gal.17.70½-17.78½
tanks .....gal.17.60 - —

Wartime Status of Materials

Applications of WPB and OPA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling
[2]—Price agreement (sellers with OPA)
[3]—General Limitation Order (L order)
[4]—General Preference Order (M order)
[5]—Conservation Order (M order
[6]—Allocation

Alcohol, ethyl, absolute, dms., c.l., works..gal.18.62 - —
l.c.l., works.....gal.18.65½-18.68¼
tanks .....gal.18.55 - —
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .20 - —
Isoamyl (see Carbinol, isobutyl).
Isobutyl,[6] refd., dms., works..lb. .0860- —
tanks, works.....lb. .0760- —
Isopropyl,[2,6] refd., 91%, dms., extra, c.l., dlvd..gal. .37½- —
l.c.l., dlvd.....gal. .41 - —
tanks, dlvd.....gal. .34 - —
99%, dms., extra, c.l., dlvd., gal. .41 - —
l.c.l., dlvd.....gal. .44½- —
tanks, dlvd.....gal. .37½- —
Isopropyl alcohol, dms., included, 3c. per gal. more.
Methyl (see Methanol).
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, dms.....lb. 2.10 - —
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis, lb. .60 - .63
Propyl, dms., works.....lb. .67 - .70
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .55 - —
dms., c.l., Waverly, N. Y..lb. .40 - —
l.c.l., same basis.....lb. .50 - —
Aldol,[6] dms., works.....lb. .13 - .15
denaturing grade, dms.....gal. 1.20 - —
Aletris root, bgs.....lb. 2.40 - 2.50
Algin, bbls., fib. dms.....lb. .76 - 1.60
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. No stocks
Allspice,[1] Mexican, bgs.....lb. .15¾- .16¼
Aloe, Cape, cs.....lb. .29 - .30
Curacao, kgs.....lb. .57 - .58
Socotrine, kgs.....lb. .55 - .60
Aloin, bbls., dms., kgs.....lb. 5.45 - 5.54
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Alphapicoline, ret. dms., works, frt. equald..lb. .23½- .28½
Alphapinene, dms., c.l., wks..gal. .86 - —
l.c.l., works.....gal. .88 - —
tanks, works.....gal. .83 - —
Alphaterpineol, dms., c.l, works, lb. .1340- —
l.c.l. works.....lb. .1390- —
tanks, works.....lb. .1200- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, NF, peeled, bls...lb. .55 - .60
Alum, ammonia,[5] burnt, USP, bbls., kgs....lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 tons. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., wks.100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
dlvd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina, classified, grade, ground, kgs., works..lb. .35 - .67
top grade, ground, kgs., works. lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .46
Acetate, basic, solu., 24%, bbls., dlvd..lb. .10½- .11
20%, bbls., dlvd.....lb. .09½- .10
Chloride, anhyd.,[6] com'l, dms., c.l., works..lb. .08 - .11
l.c.l., works.....lb. .09 - .12
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solut., 32 deg., cgys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Fluoride, tech., bbls.....lb. .25 - —
Alumina formate, solut., 12-20° Be, bbls., c.l., works..lb. .09½- —
l.c.l., works.....lb. .10 - —
Hydrate,[6] heavy, bgs., c.l., works..lb. .024 - .031
l.c.l., works.....lb. .035 - .040
light, bgs., dlvd.....lb. .14½- —
bbls., dlvd.....lb. .15 - —
Hydroxide, gel, tech., min. 15% Al (OH_3), dms., 10,000 lbs. or more, f.o.b. ship't point, lb. .03 - .03¼
ton lots, same basis..lb. .03¼- .03½
smaller lots, same basis, lb. .03¾- .04
USP purity, conc., 9-9½%, Al_2O_3, fib. dms., works..lb. .17¾- —
contract, works.....lb. .16¾- —
14-15% Al_2O_3, fib. dms., works..lb. .20¾- —
contract, works.....lb. .19¾- —
dried, USP XII, fib. dms., works..lb. .78 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17
Laurate, prec., bbls.....lb. .25 - .26
Naphthenate, 1.7% Al, 50-gal. dms., works..lb. .18¾- —
Oleate, dms., contract.....lb. .24½- —
Resinate, precip., dms.....lb. .15½- —
Stearate, precip., ctn., c.l....lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald., 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald.. 100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald.. 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works, 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.10 - —
Trihydrate, heavy (see Alumina hydrate).
Aluminum, 98-99%,[2,3,4] c.l....lb. .15 - —
l.c.l. .....lb. .15 - .16
Paste, lining, extra fine, 200-lb. dms..lb. .56 - .60
ink, 150-lb. dms.....lb. .71 - —
standard, 200-lb. dms.....lb. .38 - —
Powder, lining, extra fine, 150-lb. dms..lb. .93 - —
litho, 150-lb. dms.....lb. .57 - —
standard, 200-lb. dms...lb. .59 - —
rubber comp., 200-lb. dms..lb. .40 - —
unpolished, stand., dms....lb. .36 - —
varnish, stand., 300-lb. dms., lb. .40 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100 lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz.13.50 -14.00
Aminomethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, bots., dms.....lb. 4.00 - 4.40
Ammonia,[6] anhydrous, fertilizer, tankcars, works, frt. equald. ton.59.00 - —
pure, cyls.....lb. .14½- —
refrigeration, tanks, works.ton.69.00 - —
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, USP, dms., kgs.,4,000 lbs., up, frt. alld..lb. .43 - —
smaller lots, frt. alld....lb. .44 - .47
Bicarbonate, dms., c.l.....lb. .0564- —
Bichromate, bbls.....lb. .23 - .25
Bifluoride, bbls.....lb. .15 - .15½
Borate, gran., bbls., kgs.....lb. .1080- —
powd., bbls., kgs.....lb. .1130- —
Bromide, NF, bbls.....lb. .28 - —
dms. .....lb. .29 - —
Carbonate, USP, lump, dms..lb. .08¼- .09¼
cns. .....lb. .14¾- .17¾
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs..lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride,[6] bbls.....lb. No stocks
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms.....lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate,[6] c.p., cryst., kgs..lb. 1.26 - 1.28
fine cryst., bbls., kgs.....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.12
Nitrate,[1,6] fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate.
domestic, bgs., c.l., shipping points..ton.50.00 - —
bulk, same basis.....ton.46.00 - —
tech., bgs., works.....100 lbs. 4.35 - 8.50
bbls., works.....100 lbs. 4.55 - —
Nitrate-limestone, 20.5% N, bgs., Hopewell, Va..ton.32.50 - —
Oleate, dms.....lb. .14 - —
Oxalate, fine gran., bbls.....lb. .23 - —
dms. .....lb. .25 - .29
Percholate, kgs.....lb. No stocks
Persulphate, kgs.....lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs..lb. .37 - .39
tech., bgs., c.l., works....lb. .07 - —
l.c.l., works.....lb. .07¾- —
monobasic, pure, bbls.....lb. .39 - .41
tech., bgs., c.l., works....lb. .07 - —
l.c.l., works.....lb. .07¾- —
Salicylate, NF, dms., kgs....lb. 1.15 - 1.18
Silicofuoride,[6] bbls.....lb. .15 - .18
Stearate, anhydrous, dms....lb. .34 - —
paste, dms.....lb. .68½- —
Sulphamate, bbls., works....lb. .18 - .24
Sulphate,[1,6] bulk, inland producing ovens..ton.28.20 - —
Atlantic coast ports...ton.29.20 - —
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works..lb. .09 - —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars .....lb. .97 - —
tech., bbls.....lb. .17 - .19
Thioglycollate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works... 100 lbs. 5.50 - 5.75
l.c.l., works.....100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works, 100 lbs. 4.45 - —
l.c.l., same basis..100 lbs. 5.15 - —
Amyl acetate,[6] ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- .16¼
l.c.l., dlvd.....lb. .13 - .19
tanks, dlvd.....lb. .11½- .17½
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works.....lb. .09½- —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .08½- —
Nitrite, USP, bots.....lb. 1.72 - 1.80
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, bots.....lb. .75 - 1.00
Stearate, dms., works.....lb. .42 - —
Amylene mixed, dms., c.l., works, lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, com'l, dms., works...lb. .657 - .662
NF, dms.....lb. 2.60 - 3.00
Angelica atropurpurea root, dms., bls..lb. .80 - 1.35
Angostura bark, bls.....lb. .21 - .22
Anilin[6] oil, dms., c.l., works, frt. alld..lb. .11½- —
l.c.l., works, frt. alld....lb. .12½- —
tanks, works, frt. alld.....lb. .10½- —
Salt, dms., works.....lb. .22 - .24
Anise,[1] Bulgarian, bgs.....lb. No stocks
Cyprus, bgs.....lb. .28½ Nom
Mexican, recleaned, bgs.....lb. .16½- .17
Syrian, bgs.....lb. .19 - .20
Turkish, bgs.....lb. No stocks
Anisic aldehyde, bots.....lb. 3.25 - 3.35
Annatto,[6] paste, bxs.....lb. .34 - .39
Seed, bgs.....lb. .08½- —
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —

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Chemicals

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Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1,6] bulk, c.l., works...lb. .14½- .17½
Needle,[1,6] Bolivian, brown, 67%, cs..lb. .18½- —
Chinese, black, 70%, cs.....lb. .20 - .22
Oxide,[1] ceramic grade, bgs., c.l..lb. .15 - —
l.c.l. .....lb. .15½- —
paint grade, bgs., c.l.....lb. .16¾- —
l.c.l. .....lb. .16¾- —
Salt,[1,6] 65%, bbls., dlvd. E. of Miss. River..lb. .40 - —
Sulphide,[1,6] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz. 23.20 -23.70
Apple syrup,[1] bbls.....lb. .14 - .16
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .23 - .24
Arecoline hydrobromide.. bots.oz. 6.10 - 7.10
Argols, min. 70%, bgs., shipment port, 100 kilos, 100% purity, kilo. 72.00 -73.00
Arnica flowers, bls.....lb. 2.35 - 2.45
Arrowroot, powd., bgs., bbls...lb. .10 - .10¾
Arsenic,[6] chloride (arsenous), bots., lb. 1.55 - —
Metal, lump, c.l.....lb. No prices
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾- —
Asafetida, cs.....lb. .45 - .68
powd., bbls., dms.....lb. .55 - .82
Asbestine (see Talc, N. Y. fibrous)
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Cana. mines, ton. 49.50 - —
5R, bgs., same basis.....ton. 44.60 - —
c.l., same basis.....ton. 44.60 - —
6D, bgs., same basis.....ton. 33.00 - —
c.l., same basis.....ton. 33.00 - —
7D, bgs., same basis.....ton. 28.50 - —
c.l., same basis.....ton. 28.50 - —
7F, bgs., same basis.....ton. 26.50 - —
c.l., same basis.....ton. 26.50 - —
7H, bgs., same basis.....ton. 22.50 - —
c.l., same basis.....ton. 22.50 - —
7K, bgs., same basis.....ton. 19.00 - —
c.l., same basis.....ton. 19.00 - —
7M, bgs., same basis.....ton. 16.50 - —
c.l., same basis.....ton. 16.50 - —
7R, bgs., same basis.....ton. 13.50 - —
c.l., same basis.....ton. 13.50 - —
Asphaltum, Barbados, Dunellen, N. J..lb. .10½- —
California, dms., c.l.....ton. 36.40 - —
l.c.l. .....ton. 41.40 - —
Cuba A, bulk, c.l.....ton. 60.00 - —
l.c.l. .....ton. 90.00 - —
B, bulk, c.l.....ton. 38.50 - —
l.c.l. .....ton. 55.00 - —
Egyptian .....ton. No stocks
Gilsonite, brilliant black, selects, 340°F fusing point, bgs., mines..ton. 32.20 - —
270-295°F fusing point, bgs., mines..ton. 30.50 - —
seconds, 300-390°F fusing point, not uniform, bgs., mines..ton. 25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton. 30.50 - —
Manjak No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., works, lb. .05¾- .13
jet, bgs., 2,000 lbs., gross weight, Colo. mines..ton. 30.50 - —
Asphaltum, Mexican, refd., dms., c.l., Texas ref'y..ton. 21.00 - —
l.c.l., same basis.....ton. 21.00 -23.00
tanks, same basis.....ton. 16.00 - —
Atropine, bots.....oz. 7.85 - —
Sulphate, bots.....oz. 5.90 - 6.00

B

Balm of Gilead buds, bgs.....lb. 1.05 - 1.15
Barbasco root,[2,6] (see Cube root).
Barberry root bark, bgs.....lb. .90 - .95
Barbital, dms.....lb. 3.50 - 3.60
Sodium, dms.....lb. 3.75 - 3.85
Barium[6] carbonate, natural, 90% thruugh 200 mesh, bgs., c.l., works..ton. 43.00 - —
precip., bgs., c.l., works..ton. 60.00 -70.00
l.c.l., works.....ton. 65.00 -75.00
bbls., c.l., works.....ton. 65.00 -75.00
l.c.l., works.....ton. 70.00 -80.00
Chlorate, kgs., works.....lb. .27½- .31
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst.,[6] bgs., c.l., works, ton. 73.00 - —
l.c.l., works.....ton. 78.00 - —
bbls., c.l., works.....ton. 75.00 - —
l.c.l., works.....ton. 80.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. .09½- .11½
l.c.l., works.....lb. .10 - .11½
Oxide, dms., c.l., works....lb. .08 - —
l.c.l., works.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Barium stearate, ctns., 1 ton up, lb. .31 - —
smaller lots.....lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, floated, bbls., c.l., St. Louis..ton. 27.65 - —
l.c.l., same basis.....ton. 28.65 - —
ex whse., N. Y.....ton. 30.00 - —
paper bags, c.l., St. Louis.ton. 25.35 - —
l.c.l., same basis.....ton. 26.35 - —
ex whse., N. Y.....ton. 34.00 - —
Southern, off-color, bgs., mines, ton. 17.50 - —
95.75%, bgs., mines.....ton. 18.00 - —
Ore, approx. 94% $BaSo_4$, bulk, mines..ton. 8.50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. .90 - .95
Root, bls.....lb. 1.50 - 1.55
Bentonite, 200 mesh, bgs., works, ton. 11.00 - —
325 mesh, bgs., works.....ton. 16.00 - —
Benzaldehyde,[6] NF, dms.....lb. .85 - 1.25
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.55
Benzol,[6] (benzene), pure, nitration and 90%, dms., works, gal. .20 - —
tanks, E. of Omaha, frt. allo. up to 2c. per gal., gal. .15 - —
W. Coast, Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .26 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .59 - .60
dms. .....lb. .55 - .56
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., dms.lb. 1.00 - 1.10
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns.....lb. 5.15 - 5.50
Formate, cns.....lb. 3.00 - 3.50
Propionate, bots.....lb. 1.85 - 2.50
Salicylate, bots.....lb. 1.90 - 2.15
Benzylidinacetone, bots.....lb. 2.00 - 2.50
Benzylisoeugenol, bots.....lb. 9.50 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .28 - .30
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .23 - —
l.c.l., works.....lb. .24 - —
Benzoate, fib. dms., works..lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works, lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., works..lb. 1.60 - —
l.c.l., works.....lb. 1.85 - —
95%, dms., works.....lb. 2.05 - —
98-99%, dms., works.....lb. 2.20 - —
Beth root, bls.....lb. .43 - .44
Bismuth[6] chloride, bots.....lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.86
jars .....lb. 2.75 - —
Hydroxide, bots.....lb. 3.41 - 3.46
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.46
cns. .....lb. 1.30 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., dms., kgs.....lb. 3.10 - —
Subbenzoate, bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, USP, bbls., dms., lb. 1.50 - 1.53
bots., cns.....lb. 1.59 - 1.63
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, NF, bots., cns...lb. 1.49 - 1.53
fib. dms.....lb. 1.40 - 1.43
Subiodide, bots.....lb. 4.19 - 4.25
fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.23
bots. .....lb. 1.29 - 1.33
Subsalicylate, USP, bbls., fib. dms..lb. 2.50 - —
5-lb. cns.....lb. 2.54 - 2.59
Sulphocarbolate, bots.....lb. 3.71 - 3.74
fib. dms.....lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.40 - —
cns. .....lb. 3.45 - 3.50
Black, acetylene,[3] bgs., c.l., works..lb. .14 - —
l.c.l., works.....lb. .18 - —
Bone 1A, bgs., bbls., c.l., frt. alld. E..lb. .17 - —
2, bgs., bbls., c.l., same basis. lb. .12 - —
3, bgs., bbls., c.l, same basis. lb. .11 - —
4 bgs., bbls., c.l., same basis. lb. .08½- —
400A, bgs., bbls., c.l., same basis..lb. .08½- —
457, bgs., bbls., c.l., same basis..lb. .11½- —

Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.

Carbon,[6] beads, compressed, bgs., c.l., works..lb. .03550- —
l.c.l., dlvd. or whse....lb. .07½- —
ctns., l.c.l., dlvd. or whse...lb. .07½- —
regular, uncompressed, bgs., c.l., works..lb. .03625- —
l.c.l., dlvd. or whse....lb. .06 - —
cns., l.c.l., dlvd. or whse.lb. .06 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½- —
Lamp, 1, ctns., works.....lb. 08½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14½- —
l.c.l., works.....lb. .15¼- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17⅛- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .26 - —
6, ctns., c.l., works.....lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38⅛- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05¾- —
kegs .....lb. .06 - —
Black dyes (see Dyes).
Black haw root bark, bls....lb. .90 - .95
Tree bark, bls.....lb. .40 - .50
Black Indian hemp root, bls....lb. .50 - .55
Blanc fixe, dry, by-product, bgs., c.l., works..ton. 60.00 - —
l.c.l., works.....ton. 67.00 - —
direct process, bags, c.l., works..ton. 70.00 - —
bbls., c.l., works.....ton. 75.00 - —
l.c.l., works.....ton. 80.00 - —
pulp, 66⅔%, bbls., c.l., works, ton. 40.00 - —
l.c.l., same basis.....ton. 46.50 - —

"The bigger the family—the better the service"

THAT goes for businesses and families both! Continental has the experience, technique, resources and facilities to give you the service you want.

We make such a variety of containers you can be sure of an impartial analysis of your problem.

Continental now covers every phase of packaging efficiently—metal containers, liquid-tight paper containers and cups, fiber cans and drums, steel pails and other heavy-duty containers.

We're pretty busy serving Uncle Sam now. But keep your eye on Continental! And on Continental's trademark, too. The Triple-C stands for *one* company with *one* policy—to give you only the very best in quality and service.

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CONTINENTAL PAPER CONTAINER DIVISION

CAN COMPANY, INC.

FIBER DRUMS The Container Co., Van Wert, Ohio

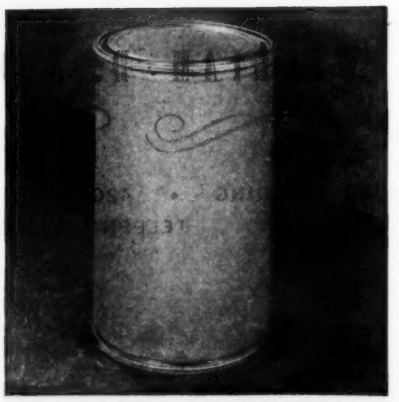
LIQUID-TIGHT FOOD CONTAINERS Boothby Fibre Can Co. Roxbury, Mass.

PAPER CUPS Mono Containers, Newark, N. J.

COMBINATION PAPER AND METAL CONTAINERS

Headquarters: 330 W. 42d St., N.Y.C.

13 Plants—Sales offices in all principal cities



Continental has a full line of fiber drums for shipping dry products, resins, rosins, asphalt, grease and other semi-liquids. Sizes range in capacity from 10 to 65 gals.; "Stapak" drums from 2 to 32 gals.; "Fiberpak" drums from ¼ gal. to 67 gals.; Leverpak" drums from 24 to 75 gal. cap. The "Leverpak" drum is illustrated above.

Bleaching powder,[2] dms., c.l., works—100 lbs. 2.50 - 3.10
l.c.l., works.....100 lbs. 2.75 - 3.60
Blood,[1] dried, 16-16½% ammon., bgs. unit-ton. 5.53 - —
high-grade, unground, 16-17% ammon., bulk, Chicago, unit-ton. 5.53 - —
soluble, bgs., c.l., Chicago...lb. .13½- —
l.c.l., Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. .70 - .80
Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. 1.75 - —
Toner, bbls., same basis.....lb. .85 - .90
Celestial, bbls., same basis..lb. .10 - .12
Chinese, bbls., same basis...lb. .36 - —
Cobalt,[6] genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, full strength, bbls., same basis, lb. 3.50 - 3.75
80%, bbls., same basis...lb. 3.00 - —
green shade, bbls., same basis..lb. 4.50 - 4.70
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Milori, bbls., same basis.....lb. .36 - —
Molybdated, Victoria, bbls., same basis..lb. 3.15 - —
Peacock, fugutive, 100% color strength, same basis..lb. .52 - —
permanent toner, green shade, molybdic, bbls., same basis, lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis, lb. .42 - —
Prussian, bbls., same basis..lb. .36 - —
soluble, bbls., same basis..lb. .36 - —
Soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .23 - .27
jobbing type, dry, bbls., same basis..lb. .12 - .13
regular types, dry or pulp, bbls., same basis..lb. .17 - .27
Victoria, toner, molybdic, bbls., lb. 3.15 - —
tungstic, bbls.....lb. 3.30 - —
ink toner, bbls., same basis, lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.93 - —
Violet, toner, molybdic, kgs., same basis..lb. 1.25 - —
tungstic, kgs., same basis, lb. 2.10 - —

Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blue dyes are listed under Dyes.

Blue mass, NF, cns., tube....lb. 1.58 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.75
Bluefag root, bls.....lb. .45 - .50
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).

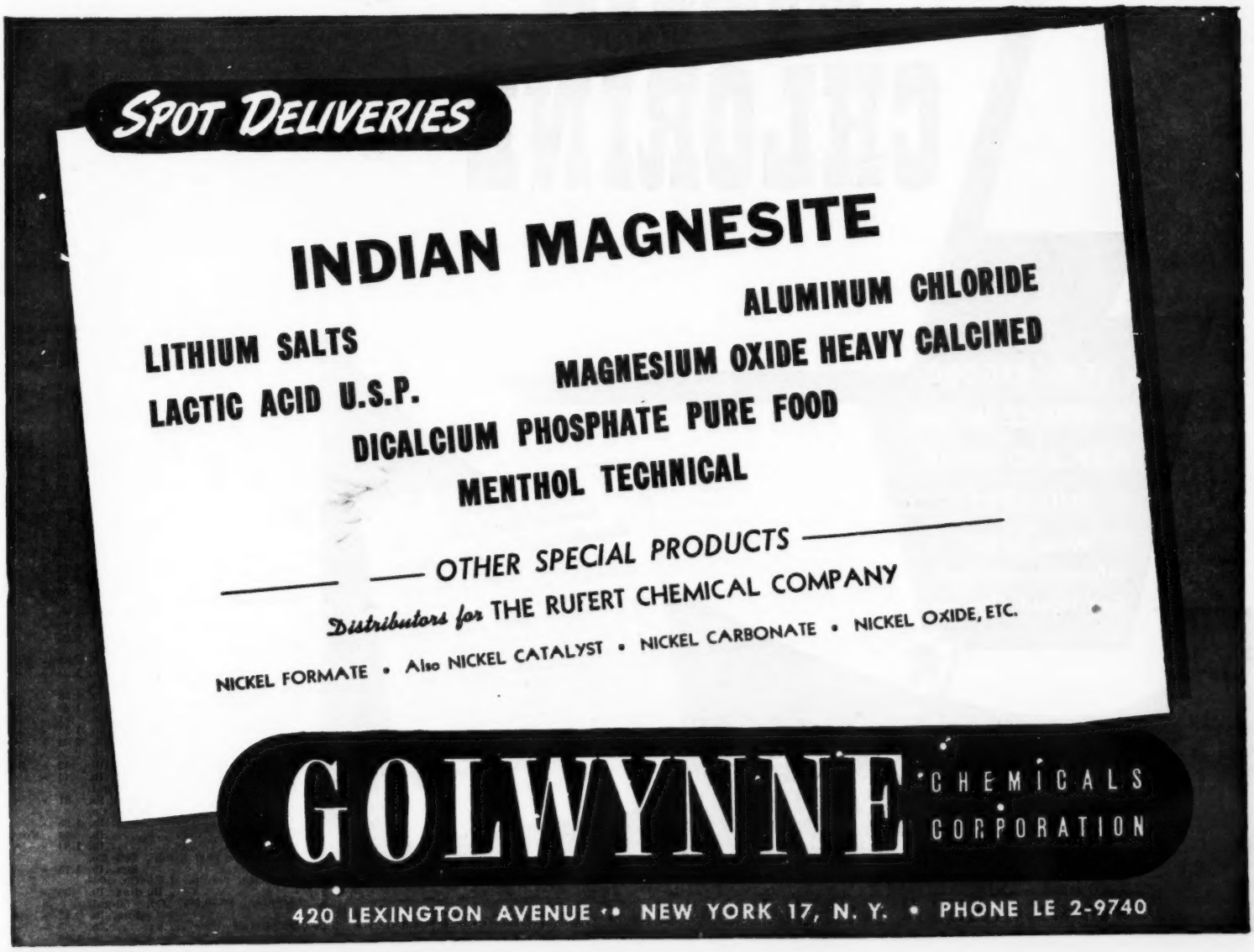
Bone, raw, bulk, Chicago.....ton.57.00 -65.00
junk, bulk, same basis....ton.35.00 - —
Meal, raw, 4½% ammon., 50% phos., bgs., E. works..ton.37.50 - —
Chicago, works.....ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.48.50 - —
Chicago, works.....ton.50.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works.. ton.38.50 - —
Chicago, works.....ton.36.00 - —
Phosphate, defluorinated (see D).
Precipitated (see Calcium phosphate tribasic, precip.).
Boneset leaves, bls.....lb. .14 - .15
Borage flowers, bls.....lb. No stocks
Borax,[2] tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse.....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld.....ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
powd., bgs., c.l., frt. alld..ton.50.00 - —
ton lots, ex whse.....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld.....ton.60.00 - —
ton lots, ex whse.....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis..lb. .28 - —
Bromoform, USP, bots.....lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 4.30 - 5.00
Bronze powder, aluminum (see A).
Gold, litho., cns., dms., works, lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .85 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls.....lb. .13 - .15
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bbls., c.l., works..lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .03¾- .05
pap. bgs., c.l., same basis, lb. .0235- —
Italian type, bbls., works, lb. .08¾- .10¾
raw, American, bbls., works.lb. .04 - 10
Italian type, bbls., works, lb. .08 - .10
Umber, burnt, American, bbls., works..lb. .03¾- —
Italian type, bbls., works, lb. .04¾- —
Turkey-type, bbls., l.c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans .....lb. .05¼- —
Minneapollis .....lb. .0535- —
Pittsburgh .....lb. .05 - —

Brown, umber, burnt, Amer., Turkey-type, bbls., l.c.l., ex car, Los Angeles....lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¼- —
ex whse, Los Angeles..lb. .05¾- —
Portland, San Francisco, Seatle..lb. .05¾- —
Vandyke, reg., bbls., works...lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .35 - —
Sulphate, cns., 100 ozs.....oz. .30 - —
Byronia root, bls.....lb. .60 - .65
Buchu leaves, bls.....lb. .83 - .85
Buckthorn bark, bls.....lb. .56 - .57
Berries, bgs.....lb. .60 - .70
Burdock root, bls.....lb. .30 - .32
Burgundy pitch, dom., dms...lb. .08 - —
Butane,[1] indust., tanks, Group 3, gal. .03½- —
Butyl acetate, normal,[1,6] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .1825- —
l.c.l., same basis....lb. .1875- —
tanks, same basis....lb. .1725- —
tankwagons, same basis, lb. .1775- —
other production, dms., c.l., same basis..lb. .1900- —
l.c.l., same basis....lb. .1950- —
tanks, same basis....lb. .1800- —
synthetic, dms., c.l., same basis..lb. .11¾- —
l.c.l., same basis....lb. .1950- —
tanks, same basis....lb. .10¾- —
secondary,[1,6] dms., c.l., dlvd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Alcohol (see Alcohol, butyl).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works, lb. .35 - —
tech., dms., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .24½- .25½
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd.....lb. .16½- .17
tanks, dlvd.....lb. .15½- —
Stearate, dms.....lb. .31 - .31½
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide,[6] bots.....lb. 1.84 - 1.91
jars .....lb. 1.65 - 1.70
Iodide,[6] bots.....lb. 4.23 - —
cns. .....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[1,6] ingots or sticks, dlvd. lb. .90 - —
pat. shapes, cs., dlvd.....lb. .95 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[1,6] dms., 100 lbs. or more..lb. 2.80 - 2.88
smaller lots.....lb. 2.95 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.08
smaller lots.....lb. 3.15 - 3.45

Caffeine, citrated, dms., 100 lbs. or more..lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.20
Hydrobromide, bots.....lb. 5.20 - 5.37
Calabar beans, bgs.....lb. .34 - .36
Calamus root, dom., bls.....lb. .40 - .45
Calcium acetate, bgs., dlvd..... 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l., whse. works, ft. alld..lb. .07½- .08
l.c.l., same basis.....lb. .08 - .08½
Bromide, jars.....lb. .65 - .70
Carbide,[1,5,6] dms., c.l., works, ton.50.00 - —
dlvd. .....ton.87.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .28 - .39
flake, 77-80%, paper bgs., c.l., dlvd..ton.18.50 -35.00
l.c.l., dlvd.....ton.28.50 -45.00
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, 73-75%, dms., c.l., dlvd., ton.18.00 -34.50
l.c.l., dlvd.....ton.28.00 -44.50
Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.
Gluconate, USP, gran., bbls..lb. .52 - —
dms. .....lb. .57 - .59
cns. .....lb. .70 - —
powd., 2c. per lb. lower.
Glutamate, kgs.....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.25 - —
smaller lots.....lb. 1.75 - —
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, edible, dms., bbls.....lb. .21 - —
USP, bbls.....lb. .35 - .37
Laurate, bbls.....lb. .28 - .29
Mandelate, USP, dense, fluffy, dm..lb. 2.05 - 2.30
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½- —
Pantothenate, dex., 100 - gram bots..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
less than 10, works.....lb. .08 - .10
medicinal, dibasic, bgs..... 100 lbs.11.40 -18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
Resinate, precip., 5.3% Ca, 100-lb. dms..lb. .13½- —
Silicate, hydrated, c.l., bgs., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., ctn., c.l., works..lb. .25 - —
l.c.l., works.....lb. .26 - .28
Sulphate (see Gypsum).
Sulphide 70%, bgs., c.l., works, ton.45.00 - —
80,% bgs., c.l., works.....ton.50.00 - —
luminous, tins, works.....lb. 1.00 - —
Sulphocarbolate, bbls.....lb. .49 - .50
Tallate, 3%-4% Ca, 50-gal. dms., lb. .13¼- .19½
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.00 - 1.50
fine particle size, works, lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 3.25 - —


SPOT DELIVERIES
INDIAN MAGNESITE
LITHIUM SALTS
ALUMINUM CHLORIDE
LACTIC ACID U.S.P.
MAGNESIUM OXIDE HEAVY CALCINED
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Calomel,[6] bbls., dms.....lb. 2.56 - 2.57
Camphor,[6] natural.....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works..lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .55
Camphor, synth., USP, gran., powd., bbls., 2,000-lb. lots, lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots.....lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Camphor monobromated, dms..lb. 3.20 - —
Canada balsam (see Fir balsam).
Cantharides .....lb. No stocks.
Capsicum (see Pepper, red).
Caramel coloring, bbls.....gal. .70 1.10
Caraway seed,[1] California, Dutch type, bgs..lb. .93 Nom.
Canadian, bgs.....lb. .93 Nom.
Morocco, dewhiskered, bgs...lb. No stocks.
Spanish, dewhiskered, bgs...lb. .90 Nom.
Syrian, dewhiskered, bgs....lb. .90 Nom.
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. dms., l.c.l., works..lb. .27 - —
secondary, dms., l.c.l., works. lb. .60 - —
Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works.....lb. .23½- —
tanks, works.....lb. .21⅛- —

Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis. lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride,[1,6] c.p., dms., c.l. lb. .07½- —
l.c.l. .....lb. .08 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52½-gal. dms., c.l., gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
USP, cbys.....lb. .17 - .19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom,[1] bleached, bold, cs., lb. 1.45 - 1.50
medium, cs.....lb. 1.25 - 1.30
decorticated, cs.....lb. .71 - .72
green, bgs.....lb. .65 - .66
Carotene, cryst., 1,350,000 A units per gm., tins, works, 1,000,000 units. .50 - —
Carotene, cryst., research grade (alpha, 10%; beta, 90%), amps, 100 grams, dlvd. gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
in vegetable oil, 8,800 A units per gm., tins, works, 1,000,000 units. .55 - —
dms., works..1,000,000 units. .50 - —
Carvol, bots.....lb. 22.50 -23.00
Cascara sagrada bark, bulk...lb. .32 - .35
Case-hardening mixture, 30% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .08¾- —
Casein,[1,6] dom., acid-precip., bgs., 100 or more, ship't point..lb. .22 - —
20 to 99, same basis....lb. .22¼- —
less than 20, same basis, lb. .22¾- —
rennet-precip., bgs., 100 or more, same basis..lb. .23½- —
20 to 99, same basis....lb. .23¾- —
less than 20 bgs.....lb. .24¼- —
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .17½- .18½
rennet-precip., unground, bgs., 100 bgs. or more..lb. .19 - .20

Cassia[1] .....lb. No stocks
Cassia fistula, bskts.....lb. .26 - .28
Castor beans, bgs., Brazilian ports..long ton 77.00 - —
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works..... unit-ton. 2.90 - —
Castoreum, nat., cns.....lb. 12.00 -13.00
synth., bots.....lb. 19.00 - —
Catechol, CP, cryst., works, fib. dms., tin..lb. 2.15 - 2.30
resublimed, frt. alld. E. of Miss., dms..lb. 3.50 - —
Catnep, bls.....lb. .65 - .66
Celery seed,[1] Indian, bgs.....lb. .20½- .21
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate,[4,6] flake, ctns., works, frt alld..lb. .30 - .35
granules, ctns., same basis..lb. .35 - —
Triacetate,[4,6] flake, ctns., works, frt. alld..lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
smaller lots, bgs., works.lb. 2.00 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works..lb. .02¾- —
paint and other industries, bgs., c.l., works..ton. 40.00 - —
papermakers, bgs., c.l., works. ton. 32.50 - —
rubbermakers, bgs., c.l., works. ton. 30.00 - —
Chamomile, Hungarian type, cs. lb. .45 - .50
Roman, bls.....lb. No stocks
Charcoal, pinewood,[1,6] grn., pulv., bgs., c.l., works, South. ton. 30.20 - —
l.c.l., same basis.....ton. 41.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract,[1,6] clarif., 25%, bbls., c.l., works....100 lbs. 2.85 - 3.85
l.c.l., works.....100 lbs. 3.10 - 4.10
tank, works.....100 lbs. 2.25 - 3.25
powdered, 65% tannin, bgs., c.l., works..100 lbs. 6.50 - 9.10
l.c.l., works.....100 lbs. 7.25 - 9.85
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton. 16.00 - —
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silkbolt, 99½%, 325 mesh, bulk, c.l., works. ton. 9.50 - —
paper bgs., c.l., works. ton. 12.50 - —
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton. 19.00 -24.00
powd., cks., l.c.l., ex whse. ton. 41.00 - —
Chloral hydrate, jars.....lb. .93 - .98
dms.....lb. .90 - .95
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works..lb. .32 - —
smaller lots, works.....lb. .35 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Chlorine,[2,5,6] liquid, cyls., c.l..lb. .05¼- —
contracts .....lb. .05¼- —
l.c.l. .....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..100 lbs. 2.00 - —
2, wks., frt. equald.100 lbs. 2.50 - —
1, wks., frt. equald.100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .20 - .23
USP, dms.....lb. .30 - .33
Chloropicrin, coml, 180-lb. cyls., works, frt. alld..lb. .80 - —
100-lb. cyls., same basis....lb. .82 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms.....lb. 3.00 - 3.10
Dihydrogen citrate, fib. dms.lb. 3.00 - 3.10
Chrome acetate, powd., 24%, bbls. lb. .22 - —
solut., 8%, bbls., cs.....lb. .07½- —
7½%, bbls., cs.....lb. .06½- —
Cake, bulk, c.l., works.....ton. 16.00 - —
Ore,[1] residue, paper bgs., c.l., works..ton. 15.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots.....lb. 6.02 - 6.09
Cinchona bark,[6] red, quill, USP, 10 in., cs..lb. 1.20 Nom.
Cinchonidine,[6] small, cryst., cns., 100 ozs..oz. .80 + .13⅛*
Sulphate, NF, cns., 100 ozs..oz. .80 + .13⅛*

* See note on Quinine.

Cinchonine,[6] small, cryst., cns., 100 ozs...oz. .62 + .13⅛*
large, cryst., cns., 100 ozs..oz. .66 + .13⅛*
Sulphate, NF, cns., 100 ozs..oz. .42 + .13⅛*

* See note on Quinine.

Cinchophen, NF, heavy, dms..lb. 3.70 - 3.80
standard, dms.....lb. 3.50 - 3.60
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cns., dms.....lb. 2.50 - 3.90
Cinnamon,[1] Ceylon, No. 2, bls., lb. .53 - .53½
3, bls.....lb. .52 - .53
chips, bgs.....lb. .56 Nom.
Citral, bots., cns.....lb. 4.50 - 5.00
Citrine ointment, jars.....lb. .95 - 1.15
Citronellal, bots., dms.....lb. 2.75 - 3.25
Citronellol, bots., dms.....lb. 6.00 - 7.00
Clove,[1] Madagascar, bls.....lb. .17 - .17½
futures, bls.....lb. .16 - .16¼
Zanzibar, bls.....lb. .17 - .17½
futures, bls.....lb. .17¼- .17⅝
Clover tops, red, bgs.....lb. .50 - .55
Coaltar,[6] coal-gas, crude, bbls., c.l., works..bbl. 8.25 - —
l.c.l., works.....bbl. 8.75 - —
tanks, works.....gal. .07½- —
refd., bbls., c.l., works....bbl. 8.75 - —
l.c.l., works.....bbl. 9.25 - —
tanks, works.....gal. .08½- —
water-gas, crude, dms., c.l., works..bbl. 8.25 - —
l.c.l., works.....dm. 8.75 - —
refd., dms., c.l., works...dm. 9.25 - —
Cobalt acetate,[6] bbls., kgs., dlvd., lb. .83¾- —
feed grade, 49.5% Co, kgs..lb. 1.25 - —
Carbonate,[6] powd., bgs., works, lb. 1.58 - —
feed grade, 28% Co, kgs...lb. 1.85 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co, kgs..lb. 1.25 - —
Hydrate,[6] bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs...lb. 2.25 - —
Linoleate, paste, 5%, dms....lb. .32 - .35
solid, 8½%, dms.....lb. .44 - —
Naphthenate, 6% Co, 50-gal. dms..lb. .31 - —
Nitrate, feed grade, 20.4% Co, kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[6] black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co, 100-lb. dms..lb. .33½- —
Soyate, 8%-8.5% Co, 50-gal. dms..lb. .42 - .44
Sulphate,[6] dms.....lb. .05 - —
feed grade, 21% Co, kgs....lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland, or New York.

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OPD—4-16-1945 15

Take this, Hippiatrus – it will cure "big neck"

LONG before Dr. Coindet, in 1820, introduced iodine in the treatment of goiter, the ancient Greeks used it in the form of burnt sponge to overcome what they called "big neck."

Iodine was first observed about 1811 by Courtois, who evolved it from the ashes of seaweeds. The name "iodine" means violet-colored, and describes the beautifully colored vapors which result from its heating.

A remarkable characteristic of iodine is that it is a solid at room temperature, but when heated, changes to a gas without passing through an intermediate liquid state!

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OPD—4-16-1945 16

INSIDE NEWS

APRIL PREPARED BY NATIONAL CAN CORPORATION, NEW YORK, N. Y. 1945

War's Diverse Demands Improve Tin Containers

Strange service in still stranger sections of the world is all in a war day's work for tin cans and containers. Demand for meeting never-before-encountered conditions are building up a backlog of newly learned knowledge in container-making technique. From this, peacetime packaging improvements are sure to emerge when the guns cease firing.

By placing the needs of the fighting forces foremost, National Can Corporation is recognizing a responsibility in hastening victory. Among the many special cans and containers manufactured by the Corporation to protect war equipment and food supplies are three in particular, which are of more than usual interest.

Containers for Fogproof Paste

Fogproof paste is used on lenses for gas masks, oxygen helmets, and other similar apparatus. The container for the paste is of a slip cover design, and protects its important contents well. Large quantities are continually being produced at a high rate of speed to supply the volume needed.

Containers for War Gas Detectors

In an area where skin-blistering gas can be expected, the importance of precautionary equipment cannot be over-emphasized. The presence of mustard or arsenical vesicants is established by color change in a type of war gas detector now in wide use. The container for this detector is airtight and necessitated the development of a suitable compounding material for side seam sealing. Its closure is also of a slip cover type and, as a final operatioin, is taped.

Meals Heated in Containers

Men in the field advance far beyond any field kitchen. When they do, a special alcohol container is proving invaluable—a container capable of heating a meal for five men, or six individual "C" ration meals. These are ¼ pint triple tight solid alcohol containers.

Naturally, all of these diversified wartime container demands have stimulated the work of National Can's research department, accelerated laboratory experiments, and speeded up plans for new product development. 923

Three Dimensional Effects

A patented process offers the industry a method of totally enclosing beautiful three dimensional effects in colors in such products as containers, name plates, dials, insignia, counter displays, trade marks, etc. 924

Eye Treatment

Welders suffering "flash" burns, or actinic conjunctivitis, an eye condition caused by exposure to ultra-violet rays, are being given a specially prepared formula for home care. 925

Soap for Medical Use

The medical uses of soap have been made the subject of a symposium by ten of the outstanding medical authorities on soaps and their use. The effects of soap on normal and abnormal skin are considered, and the new text also considers the effect of soap on the hair, soap in shaving, and soap in industry. 926

Sugar from Birch Tree Sap

Sugar is being extracted from the sap of birch trees in Russia. A single tree yields about 25 gallons of sap a day which is then processed by a new method developed at Sverdlovsk Research Station. 927

Cotton Pest Insecticide

A new insect powder, known as Babbini, is being produced in Peru for cotton pests. 928

New Alcohol Source

Alcohol is now being made commercially in Texas from Sotal, a native plant which grows profusely. 929

Gets the Air Out

Vacuum packing of spray dried milk adds greatly to its useful life. However, vacuum applied only for a short time removes the air from around the milk particles but leaves untouched whatever air may be entrapped within the individual pellets. It has now been demonstrated that if the dried milk is held under moderate vacuum for a longer period the entrapped air will be removed, to leave a product that is truly vacuum-packed. Ten inches absolute pressure, for 10 hours, does the trick. 930

Synthetic Blood Plasma

A method for producing synthetic blood plasma from a by-product of sugar manufacture has been developed. Unlimited production is possible. It is transported in powder form and is not dependent upon the blood group of the recipient. 931

Edible Oil

Growing sunflowers on a commercial scale for edible oil is a new enterprise in North Dakota. 932

Increases Tomato Yields

The long-standing difficulty in getting a good set of fruit from "hothouse" tomatoes appears pretty well solved. Researchers have found beta-naphthoxy acetic acid and dichlorphenoxy proponic acid markedly promotes fruiting under winter greenhouse conditions. This development is expected to make it possible for greenhouse operators to plant tomatoes earlier than in the past, obtain larger yields, and to complete the marketing of the crop by the time field-time grown tomatoes become available. Both products are economical to use. 933

Sunburn Preventive

Titanium dioxide has been found in field tests to be a most effective sun screen to prevent sunburn. 934

Tangerine Syrup

Tangerine syrup, rich in sugar and vitamins, light brown, and honeylike with a sweet, fruity taste, has been produced by the chemists of a southern citrus commission. 935

Foam in Headspace

Foam in the headspace of beer or carbonated beverage containers frequently spells difficulty, but a patent has recently been issued on a method whereby carbon dioxide foam eliminates oxygen from the headspace before sealing. Making use of the controlled evolution of carbon dioxide, a small U-tube, heated to constant temperature with hot water, is dipped into each container on the filling line in turn. The temperature difference between the beverage and the heating water, as well as the time and depth of the immersion of the U-tube, when in the proper relation to one another, will give a foam that can be depended upon to persist until the container is sealed. 936

Converting Sea Water

A solar still—available in a new pocket size—assures a continuous supply of fresh water to Army and Navy flyers forced down in tropical waters. It converts salt water into safe drinking water by harnessing the rays of the sun. By evaporation and distillation, sea water becomes fresh. 937

Leaves Rich in Protein

Vegetable leaves which are wasted in processing plants are rich in scarce protein, carotene and riboflavin. Experiments prove these waste leaves can be prepared as valuable chicken and animal meal. 938

Cobalt-ammonium sulphate, 14% Co, kgs.	lb.	.75	—
Cocaine hydrochloride, 100-oz. lots	oz.	9.75	—
Cochineal, gray, bgs.	lb.	.37	.38
silver, Teneriffe, bgs.	lb.	.38	.39
Cocoa butter,[1] bulk, ship't pt.	lb.	.25	—
Cocillana bark, bgs.	lb.	.24	.25
Codeine, cns., 100 ozs.	oz.	11.70	—
Hydrochloride, cns., 100 ozs.	oz.	10.50	—
Phosphate, cns., 100 ozs.	oz.	9.00	—
Sulphate, cns., 100 ozs.	oz.	9.50	—
Codliver oil (see Oil, codliver).			
Cohosh root, black, bls.	lb.	.15	.16
blue, bls.	lb.	.23	.25
Colchicine, bots., cns.	oz.	No stocks	
Colchicum seed.	lb.	No stocks	
Collodion, USP, dms.	lb.	.19½	.20¼
cns.	lb.	.23	.29½
Flexible, USP, dms.	lb.	.21	.22
cns.	lb.	.25	.31
Colocynth pulp, bls.	lb.	.55	.60
Colombo root, bls.	lb.	.17	.18
Coltsfoot leaves, bgs.	lb.	No stocks	
Condurango bark, bgs.	lb.	.12	.15
Copaiba balsam, Para, cns.	lb.	.47	.49
S. A., USP, cns.	lb.	.50	.52
Copper acetate, cupric, bbls., works	lb.	.25¼	—
smaller containers, wks.	lb.	.27	—
Carbonate,[6] 52-54%, bbls.	lb.	.19½	.20½
Chloride,[6] anhyd., bbls.	lb.	.22½	.23
crystals, bbls.	lb.	.14¾	.17
Cyanide,[6] tech., bbls.	lb.	.34	.38
Iodide, bots.	lb.	5.15	5.19
Metal,[1,6] electrolytic	lb.	.12	.12½
Naphthenate, 6%-8% Cu., 50-gal. dms.	lb.	.15	.17
Nitrate,[1] tech., cryst., bbls.	lb.	.19¼	.20¼
Copper oleate, precip., bbls.	lb.	.22½	.28½
Oxide,[6] black, bbls., works	lb.	.19	.20
red, com'l, bbls., works	lb.	.21	.24½
Oxychloride-sulphate,[6] bgs.	lb.	.17	.20
Resinate,[6] precip., 8.3% Cu., 125-lb. dms.	lb.	.15½	.16
Sulphate,[1,6] 99%, cryst., bgs., c.l., works	100 lbs.	5.00	—
l.c.l., 700 to 36,000 lbs.	100 lbs.	5.00	5.50
monohydrated, bgs., in dms., 36,000-lb. lots, dlvd.	100 lbs.	10.20	—
smaller lots, same basis,	100 lbs.	10.95	—
Copperas, cryst., gran., bgs., c.l., works	ton.	17.00	—
l.c.l., works	100 lbs.	1.55	2.00
bbls., c.l., works	ton.	20.00	—
bulk, c.l., works	ton.	14.00	—
Copra, Coast, ship't.	lb.	No prices.	
Coriander[1] seed, Argentine, New Orleans, bgs.	lb.	.12	.12½
Indian, bgs.	lb.	No stocks.	
Morocco, bgs.	lb.	.11½	.12
Cornsilk, bls.	lb.	.31	.32
Corn sugar, tanners,[6] chipped, bgs., c.l., dlvd.	100 lbs.	3.905	—
slabs, bbls., c.l., dlvd.	100 lbs.	3.825	—
Syrup, 42°, bbls., c.l., dlvd.	100 lbs.	4.221	—
43°, bbls., c.l., dlvd.	100 lbs.	4.271	—
Corrosive sublimate,[6] cryst., dms., 50 lbs. or more	lb.	2.16	—
gran., powd., dms., 50 lbs. or more	lb.	2.01	—
Cottonroot bark, bls.	lb.	.17	.18
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd.	unit-ton.	1.00	—
Meal,[1] 41% protein, bulk, Memphis, c.l.	ton.	45.00	49.75
Cramp bark, NF, bls.	lb.	.74	.75
Cream of tartar, USP, gran. or powd., bbls., 5,000 lbs. one ship't.	lb.	.57½	—
smaller lots, bbls., kgs.	lb.	.58	.58½
Creosote carbonate, bots., cbys.	lb.	2.10	2.39
Coaltar (see Cresol).			
Oil,[2] coaltar, crude, tanks, works	gal.	.15½	—
refined, dms., c.l., works,	gal.	.247	.3325
l.c.l., same basis	gal.	.26	.35
tanks, same basis	gal.	.18	.1850
solution, tanks, works	gal.	.141	—
Wood, beech, bots., cbys.	lb.	.85	1.04
Hardwood, USP, bots.	lb.	.60	.77
Pine, dms.	gal.	.28	—
Cresol,[2,6] special resin grades, dms., c.l., works, frt. equald.,	lb.	.09½	.10½
l.c.l., same basis	lb.	.10	.11
tanks, same basis	lb.	.08¾	.09¾
Cresol, USP, dms., c.l., same basis.	lb.	.10¾	.11¾
l.c.l., same basis	lb.	.11¼	.11¾
tanks, same oasis	lb.	.10	.10½
Crotonaldehyde, 97%, l.c.l., 55 and 110-gal. dms.	lb.	.15	—
5 and 10-gal. dms., works	lb.	.18	—
Coumarin,[1] cns., 5 lbs. or more,	lb.	2.75	—
smaller lots	lb.	2.90	3.10
Cryolite, nat.,[4] bgs., bbls., c.l., works	100 lbs.	9.50	9.75
bbls., l.c.l., works	100 lbs.	10.00	—
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R.	lb.	.08½	—
l.c.l., works	lb.	.09¼	—
Cube root, 5% rotenone, bbls., works	lb.	.40	—
4% rotenone, bbls., works	lb.	.32	—
Cubeb berries, XX, bgs.	lb.	No stocks	
powd., cs.	lb.	No stocks	
Culver's root, bls.	lb.	.25	.2[illegible]
Cumin seed, Cyprus, bgs.	lb.	No stocks	
Indian, bgs.	lb.	No stocks	
Morocco, bgs.	lb.	No stocks	
Persian, bgs.	lb.	No stocks	
Cutch, bgs.	lb.	No stocks	
Cyanamid,[3] fertilizer mixing grades, guaranteed, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk,	unit-ton.	1.62½	—
21% N., pulv., bgs., same basis	unit-ton.	1.52½	—
works	lb.	.14	.16
tech., dms., c.l., frt. alld. E.	lb.	.10½	—
l.c.l., frt. alld. E.	lb.	.11	—
tanks, frt alld. E.	lb.	.09½	—

Cyclohexane prices are 1c. per lb. higher, frt. alld., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.

Cyclohexanol, 98-100%, dms., works	lb.	.21	.23
Cyclohexanone, 98-100%, dms., c.l., works	lb.	.30	.32
Cyclohexanone, tech., dms., c.l., frt. alld. E.	lb.	.30	—
l.c.l., frt. alld. E.	lb.	.30½	—
tanks, frt. alld. E.	lb.	.29	—

Cyclohexanone prices are 1c. per lb. higher, frt. alld., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.

Cyclopropane, USP, cyls., dlvd.,	gal.	.27	—

NATIONAL CAN

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Flavor Tests

With the increasing recognition of a tie-up between food quality and its taste and appearance, taste test panels are becoming as necessary a part of a food plant laboratory as are balances and reagents. But the research director who would not accept a balance without a guarantee of its accuracy, and who makes great demands as to the purity of reagent chemicals, will frequently accept the opinions of the taste panel without making any inquiry as to their individual ability to distinguish flavors or to represent the choice of the market for which the product is intended.

Recent British work indicates that the panel should be made up of individuals between 15 and 40 years of age, since in childhood taste sensitivity is less and it again begins to decline after about 40. Also, the ability of the individual members to distinguish differences in flavors in the particular products to be tested must be checked because some people have a taste deficiency, or at least greatly elevated threshold of sensation, for certain substances, while showing normal perceptiveness with regard to other elements in the flavor. Others are more readily subject to taste fatigue. It is unnecessary to point out that the presence of such individuals on the panel may lead to erroneous results, because in taste testing as in any other experimental procedure, results can be no more accurate than the apparatus used to determine them. 939

Animal Fats

Citric acid helps the antioxidants that occur in natural fats, so that rancidity is prevented for a longer period of time. The Meat Inspection Division, Bureau of Animal Industry, has issued a memorandum permitting the use of citric acid as a preservative in animal fats and shortenings which contain animal fats, in a quantity not exceeding 1/100 of 1 per cent. We may soon expect to see shortening with the legend "With not more than 1/100 of 1 per cent citric acid added as a preservative" on the labels. Another advance for the technologist. 940

Cetylpyridinium Chloride

Cetylpyridinium chloride is reported to have high germicidal and bacteriostatic potency. It has been recommended, in 1:4000 concentration in a base of 18 per cent alcohol, 10 per cent glycerin, and about 70 per cent distilled water, for inhibiting the bacterial growth of the oral cavity. Another interesting application is its use in bronchial lavage in non-tuberculous infections. The procedure is to dilute a 1:5000 concentration with Bledsoe-Fisher hypertonic saline solution. Under these conditions it is said to be highly germicidal, to have a decided low surface tension action and to be non-irritating in the concentration used. 941

Technical Topics

EDIBLE OIL FROM OKRA—Okra, easily grown in the South, is reported to have an edible oil equal in value to cottenseed oil and is worth making Okra a major southern crop. Okra fiber, long and tough, has value in making cordage. The pith of the seed, as well as the fiber, may be sources of cellulose similar to peanut hull. 942

NEW WATER DECONTAMINANT — A new water decontaminant is found in succinchlorimide, which unlike chlorine and chlorine compounds, is stable and is not counteracted by organic matter. In a dosage of one 2-grain tablet to one quart of water, very large numbers of intestinal pathogenic bacteria are killed within 5 to 10 minutes. 943

COMMON SEAWEED — Gracilaria confervoides is providing a new business for Atlantic seacoast towns. It is just a common seaweed but we need it to thicken soups, ice cream, chocolate milk; as an adhesive to clarify liquids; and in cheese, canned fish, pastries, confections, cosmetics and paint. 944

CRUDE VOLATILE OIL—The crude volatile oil obtained from the leaves and branchlets of one of the "tea trees" (Melaleuca alternifolia) is reported to possess eleven to thirteen times the germicidal power of phenol against Bacillus typhosus. It is non-poisonous to animal life and has a pleasant odor. 945

RUBBER ADHESIVE SOLUTIONS — Rubber adhesive solutions, equal to those made with an aromatic solvent can be made with a petroleum solvent if 25 per cent of the rubber component (masticated smoked sheet) is replaced with gelled castor oil. 946

RECOMMENDED PLASTICIZERS—The dilactates of glycols containing three to six carbon atoms (diethyleneglycol, propyleneglycol, triethyleneglycol, trimethyleneglycol) are recommended as plasticizers of special merit for cellulose acetate, cellulose acetate-butyrate, cellulose acetate-propionate, and similar cellulose derivatives in lacquers. 947

PRINTERS' ROLLERS COMPOSITION —A new composition for printers' rollers consists of glycerin, magnesium chloride, potato starch, and a stabilizing additive, such as ammonium bichromate, potassium permanganate, or manganese dioxide. 948

SOLID LUBRICATING GREASE—Lubricating grease in solid form is being produced with a base of castor oil by means of a newly discovered process. 949

WASTE LEATHER PRODUCES COLORS — Colors produced from waste leather have been tested with promising results. Rich browns, bluish and black pigments have been obtained. 950

CITRUS MEDIUM FOR PENICILLIN— Developments in penicillin manufacture continue to furnish research results of value to other industries. For the surface culture method it is desirable to have a culture medium which is a solid jelly at the beginning and which later becomes a fluid. Citrus pectate pulp makes this possible. While application in penicillin manufacture is limited, the value of such a medium is not restricted to this product, and it may be found to improve the technique for other commercial microbiological processes. 951

SABADILLA SEED INSECTICIDE — Use of sabadilla seed, a species of lily, as an insecticide shows promising results. Tests were made against the most common crop-damaging insects, and in comparison with insecticides prepared from rotenone, pyrethrum or arsenicals, and in one instance, DDT. Sabadilla seed has been used as a medicinal and for the destruction of body vermin for years. 952

GERMICIDAL FLOOR FINISH—A floor finish incorporating a powerful germicide is now being manufactured which will kill typhoid and other similarly resistant disease-causing germs within five minutes of application. The finish is said to be non-toxic, is composed of wax with the germicide added in such a way that its presence is unnoticeable. 953

NEW BACTERICIDAL — Research on hitherto untested lichens indicate that they contain substances which, like penicillin, have the power to inhibit the growth of bacteria. 60 out of 118 tested species have been found to contain antibiotic substances. 954

Every effort will be made to furnish additional information on these articles. Where such information is not obtainable, we will refer inquiries to the original source of the article. Write to National Can Corporation, 110 East 42nd Street, New York City. Please mention the number at end of article—also name of the magazine you saw it in.

NATIONAL CAN CORPORATION

Manufacturers of

SANITARY PACKERS CANS • PLAIN AND LITHOGRAPHED CANS FOR FOODS, DRUGS, OILS, PAINTS, VARNISHES • STEEL DRUMS AND PAILS

Deliveries Subject to Priority Ratings

(*Advertisement*)

D

Damiana leaves, bls.	lb.	.16	Nom.
Dandelion root, bls.	lb.	.45	- .50
Decanol,[6] normal, tech., dms., dlvd.	lb.	.35	- —
Deertongue, bls.	lb.	.35	- .36
Defluorinated phosphate,[1] paper bgs., works.	ton.	34.25	- —
Degras,[1] common, bbls.	lb.	.10	- .12
neutral, less 2% ffa, bbls.	lb.	.28	- .30
over 2% ffa, bbls.	lb.	.26½	- .28½
Derris root (see Cube root).			
Dextrin, British gum, bgs., c.l., 100 lbs.		5.29	- —
Chicago	100 lbs.	4.93	- —
l.c.l.	100 lbs.	5.39	- —
Chicago	100 lbs.	5.03	- —
Corn, canary, bgs., c.l.	100 lbs.	5.04	- —
Chicago	100 lbs.	4.68	- —
l.c.l.	100 lbs.	5.14	- —
Chicago	100 lbs.	4.78	- —
white, bgs., c.l.	100 lbs.	4.97	- —
Chicago	100 lbs.	4.61	- —
l.c.l.	100 lbs.	5.07	- —
Chicago	100 lbs.	4.71	- —
Potato, bgs., c.l.	lb.	.10	- —
l.c.l.	lb.	.10¾	- .11¾
Diacetone (see Alcohol, diacetone).			
Diacetyl, flavor grades, bots.	lb.	5.00	- 8.50
laboratory grade, bots. 100 grams.		4.50	- —
tech., bots., works.	lb.	3.00	- —
Diamyl ether (see Amyl ether)			
Phthalate,[6] dms., c.l., dlvd.	lb.	.2170	- .2200
l.c.l., dlvd.	lb.	.2220	- .2250
tanks, dlvd.	lb.	.2070	- .2100
Sulphide, l.c.l., dms., works.	lb.	.25	- —
Diamylamine, dms., c.l., works.	lb.	.61	- —
l.c.l., works.	lb.	.64	- —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic coast.	lb.	.07	- —
l.c.l., ex whse.	lb.	.10	- .16
nat., bgs., c.l., Pacific coast.	ton.	22.00	-25.00
l.c.l., ex whse.	ton.	45.00	- —
purified, bgs., c.l., Atlantic coast.	ton.	55.00	-59.00
l.c.l., ex whse.	ton.	85.00	-90.00
imported, Algerian, bgs., c.l., Atlantic coast.	ton.	No prices	
Mexican, white, bgs., c.l., Atlantic coast.	lb.	.02	- .03
l.c.l.	lb.	.04	- .06
Dibutyl phthalate,[6] 5-gal. cns., works.	lb.	.2590	- .2909
1-gal. cns., works.	lb.	.2790	- .3109
dms., c.l., works.	lb.	.2040	- .2359
l.c.l., works.	lb.	.2090	- .2409
tanks, works.	lb.	.1940	- .2259
Sepacate, dms., c.l., works.	lb.	.50½	—
l.c.l., works.	lb.	.51	- —
tanks, works.	lb.	.49¼	- —
Tartrate, dms., works, frt. alld.,	lb.	.92	- 1.02
Dibutylamine, dms., c.l., works.,	lb.	.66	- —
l.c.l., works.	lb.	.69	- —
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equaled with So. Charleston.	lb.	.16	- —
l.c.l., same basis.	lb.	.17	- —
tanks, same basis.	lb.	.15	- —
Diethanolamine,[6] dms., c.l., frt. alld. in E.	lb.	.23½	- —
l.c.l., same basis.	lb.	.24½	- —
tanks, same basis.	lb.	.22½	- —
Diethyl carbonate, com'l, dms.	lb.	.25	- —
refd., 90%, dms.	lb.	.30	- —
Oxalate, dms., c.l., dlvd.	lb.	.30¼	- —
l.c.l., dlvd.	lb.	.31	- —
Diethyl phthalate,[6] dms., c.l., dlvd.	lb.	.2025	- .2120
l.c.l., dlvd.	lb.	.2075	- .2170
tanks, dlvd.	lb.	.1925	- .2050
Sulphate, dms., c.l., works.	lb.	.15	- —
l.c.l., works.	lb.	.14	- —
tanks, works.	lb.	.12	- —
Diethylamine, dms., c.l., works.	lb.	.76	- —
l.c.l., works.	lb.	.81	- —
Diethylaminoethanol,[6] dms., l.c.l., works, frt. alld. E. of Miss. R.	lb.	.75	- —
Diethylanilin, dms.	lb.	.40	- —
Diethyleneglycol, dms., c.l., frt. alld. in E.	lb.	.14½	- —
l.c.l., same basis.	lb.	.15½	- —
tanks, same basis.	lb.	.13½	- —
Monobutylether, dms., c.l., works.	lb.	.22	- —
l.c.l., works.	lb.	.23	- —
tanks, works.	lb.	.21	- —
Monoethylether,[6] dms., c.l., works.	lb.	.15½	- —
l.c.l., works.	lb.	.16½	- —
tanks, works.	lb.	.14½	- —
Digitalis leaves, dms.	lb.	.70	- .95
Diglycol laurate, dms.	lb.	.31	- .32
Oleate, light, bbls., c.l.	lb.	.17	- —
Stearate, bbls., c.l.	lb.	.22	- —
Di-isobutyl ketone, dms., works,	lb.	.19	- —
Dillseed, natural cleaned, bgs.,	lb.	No stocks	
decorticated, bgs.	lb.	.16	- .16½
dewhiskered, bgs.	lb.	.13	- .13½
Dimethyl phthalate,[6] dms., c.l., dlvd.	lb.	.1875	- —
l.c.l., dlvd.	lb.	.1925	- —
tanks, dlvd.	lb.	.1775	- —
Dimethylamine, dms., c.l., dlvd.	lb.	.85	- —
l.c.l., dlvd.	lb.	.90	- —
Dimethylanilin, dms., c.l.	lb.	.21	- —
l.c.l.	lb.	.22	- —
Dinitrobenzene, bbls.	lb.	.18	- —
Dinitrochlorobenzene, dms.	lb.	.14	- —
Dinitronaphthalene, kgs.	lb.	.35	- .38
Dinitrophenol, bbls.	lb.	.22	- —
Dinitrotoluene, dms.	lb.	.18	- —
oily, dms.	lb.	.06	- —
Diorthotoluolguanidin,[6] dms., ton lots, dlvd.	lb.	.44	- —
smaller lots, dlvd.	lb.	.46	- .47
Dioxan, dms., c.l., frt. alld.	lb.	.20	- —
l.c.l., same basis.	lb.	.21	- —
tanks, same basis.	lb.	.19	- —
Dip oil (see Tar acid oil).			
Dipentene,[1,5] dest. dist., dms., dlvd. E.	gal.	.55	- .56
tanks, dlvd. E.	gal.	.45	- —
steam-dist., dms., dlvd. E.	gal.	.56	- .58
tanks, dlvd. E.	gal.	.52	- .53
Diphenyl,[6] bbls., c.l., works.	lb.	.15	- —
l.c.l., works.	lb.	.19	- .20
Oxide, perfume grade, cns.	lb.	.48	- .50
dms.	lb.	.43	- .45
Diphenylamine,[6] bbls.	lb.	.25	- —
Diphenylguanidin,[6] dms., tons.	lb.	.35	- —
smaller lots.	lb.	.36	- .37
Divi-divi,[6] bgs., according to tannin content.	ton.	67.00	-68.00
Doggrass root, dom., cut, NF, bls.	lb.	.30	- 35
imp., NF, bls.	lb.	.52	- .55
Dogwood, Jamaica, bark, bls.	lb.	.08	- .10
Dover's powder, USP, cns.	lb.	2.75	- —
Dragon's blood, drops, cs.	lb.	.55	- .60
reeds, cs.	lb.	No stocks	
Dyes, coaltar (certified colors for foods, drugs and cosmetics)—			
Blue, FD&C blue, No. 1, cns.	lb.	13.50	- —
Green, FD&C green, No. 1, cns.,	lb.	13.50	- —
FD&C green, No. 2, cns.	lb.	17.50	- —

Dyes, coaltar (certified colors for foods, drugs and cosmetics)—
FD&C green, No. 3, cns...lb.27.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns...lb. 2.65 - —
FD&C yellow, No. 4, cns...lb. 2.65 - —
FD&C yellow, No. 5, cns...lb. 3.15 - —
FD&C yellow, No. 6, cns...lb. 3.15 - —

Dyes, coaltar (certified colors for drugs and cosmetics)—
Black, D&C black, No. 1, cns., lb. 8.35 - —
Blue, D&C blue, No. 4, cns..lb.12.35 - —
Brown, D&C brown, No. 1, cns., lb.12.35 - —
Green, D&C green, No. 5, cns., lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns...lb.15.35 - —
D&C orange, No. 10, cns...lb.15.85 - —
Red, D&C red, No. 3, cns...lb. 2.85 - —
D&C red, No. 17, cns.....lb. 8.35 - —
D&C red, No. 18, cns.....lb.15.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33, cns.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11, cns...lb.10.35 - —

Dyes, coaltar (certified colors for external use drugs and cosmetics)—
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —

Dyes, coaltar (certified colors for external use drugs and cosmetics)—
Green, Ext. D&C green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C red, No. 1, cns., lb.10.35 - —
Ext. D&C red, No. 3, cns..lb.21.85 - —
Ext. D&C red, No. 8, cns..lb. 7.85 - —
Ext. D&C red, No. 10, cns.lb.12.35 - —
Ext. D&C red, No. 13, cns.lb.12.35 - —
Yellow, Ext. D&C yellow, No. 1, cns..lb. 8.35 - —

Dyes, coaltar, for general uses[3] (numbers are those of Colour Index scale)—
36 Chrome yellow, 2G...lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A[6].....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste...lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .90 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .85 - .88
304 Paper yellow.....lb. .83 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN. lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb. .70 - .73
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .68
495 Benzo purpurin 10B..lb. .40 - .50

Dyes, coaltar, for general uses[3] (numbers are those of Colour Index scale)—
502 Direct azerin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
502 Direct green B.....lb. .50 - .55
584 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble). lb. .35 - .50
1177 Indigo, 20% paste....lb. .15 - .18
Benzo fast black L..lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
865 Nigrosin derivatives...lb. .36 - .44
Blue—
7075 Alizarin astral base..lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Brown—
Brown .....lb. 1.15 - —
Green—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Red—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .85 - —
680 Oil violet.....lb. .50 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1080 Anthraquinone,[6] violet base..lb. 6.00 - —
Yellow—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00

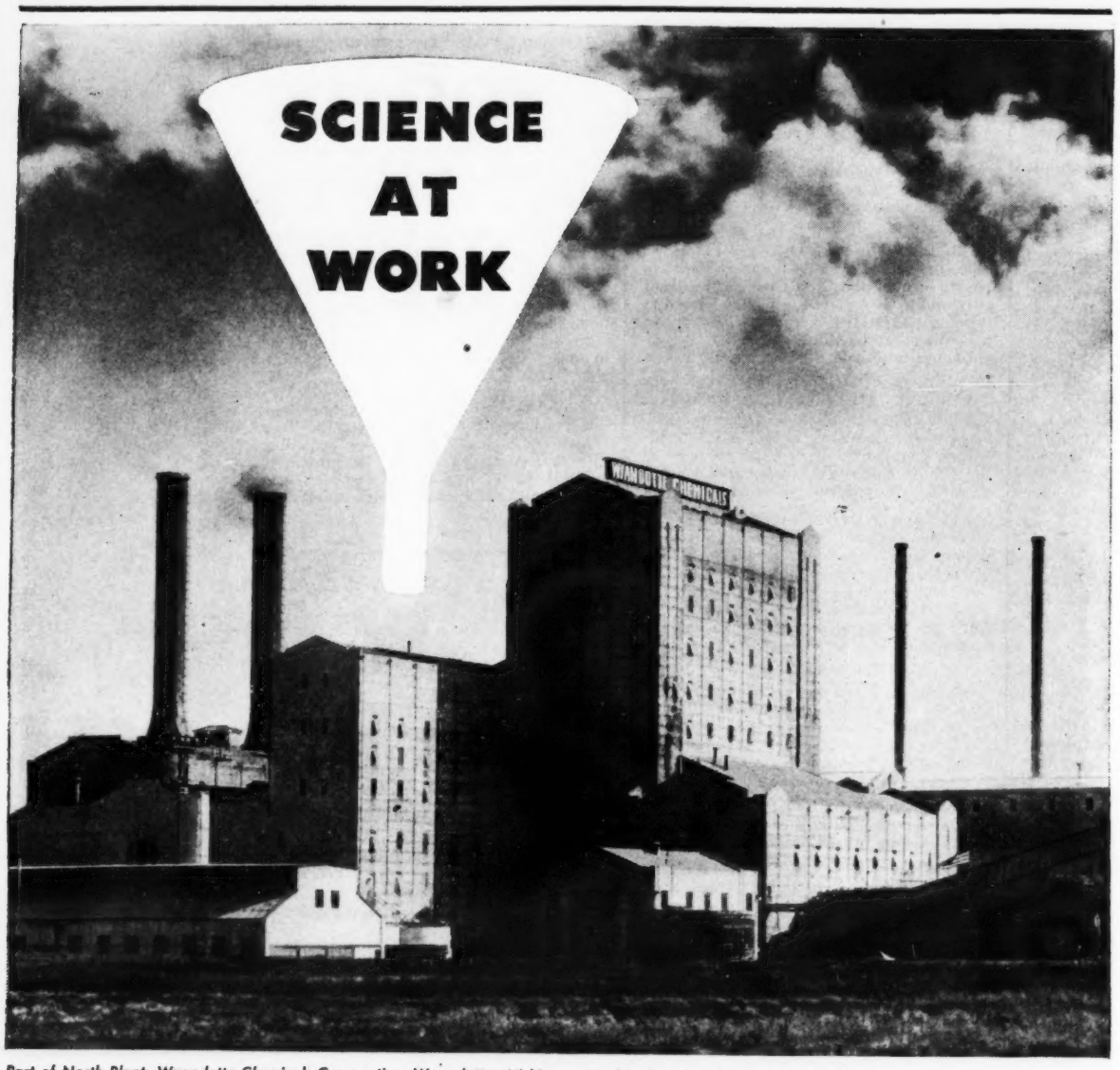
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B.....lb. 1.85 - —
861 Indulin .....lb. .87 - —
873 Methylene gray.....lb. 1.50 - —
909 New blue F.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Blue—
714 Patent blue A.....lb. 1.05 - 1.10
Brown—
231 Bismarck brown G...lb. .47 - .62
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
332 Bismarck brown R...lb. .47 - .62
793 Phosphin .....lb. 4.65 - —
Green—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Mehhylene green B...lb. 1.55 - —
1078 Alizarin cyanin green.lb. 2.00 - —
Orange—
10 Chrysodin G.....lb. .44 - —
21 Chrysodin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
151 Orange Y.....lb. .31 - .33
161 Orange R.....lb. .34 - —
Red—
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A[6].....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow—
10 Naphthol yellow S....lb. .88 - —
138 Metanil yellow.....lb. .56 - .58
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
864 Nigrosin .....lb. .36 - .44
Blue—
860 Indulin .....lb. .60 - .70
Brown—
331 Bismarck brown.....lb. 1.50 - —
Green—
637 Malachite green base.lb. 2.00 - —
Orange—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .96 - —
Red—
677 Fuchsin, magenta, base, lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —
Yellow—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet—
680 Methyl violet base....lb. .85 - —

Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .80 - .85
Egg[1] albumen (see Albumen).
Yolk, dried, dom., bbls.....lb. 1.00 - 1.06
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .60 - .65
Elecampane root, bls.....lb. .32 - .33
Elm bark, grinding, bls.....lb. .40 - .41
powd., bbls., bxs.....lb. .50 - .51
select, bndls.....lb. .50 - .55
Emetine hydrochloride,[6] bots..oz.21.00 -33.00
Ephedra, bls.....lb. .28 - .30
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride, tins.....oz. .95 - 1.45
Sulphate, tins.....oz. .95 - 1.45
Synthetic, USP, anhyd., bots., 100 ozs..oz. .65 - —
hydrous, bots., 100 ozs..oz. .65 - —
Hydrochloride, tins, 100 ozs., oz. .50 - —
Sulphate, cryst., tins, 100 ozs..oz. .48 - —
Epinephrine, synth., USP, bots., gram. .75 - —
Epsom salt, tech., cryst., bgs., c.l..100 lbs. 1.80 - 1.95
l.c.l. .....100 lbs. 2.15 - 2.40
dried, bgs.....lb. .03½ - —
l.c.l., bgs.....lb. .04 - .07
USP, cryst., bgs., c.l..100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
Epsom salt prices are freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.
Eserine, bots.....oz. No prices
Sulphate, 1-gram vials....vial. 2.10 - —
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., dlvd.....lb. .30 - —
Ethyl[8] (see Ether, sulphuric).
Nitrous, conc., bot., 100 lbs..lb. .93 - 1.10
Sulphuric,[6] conc., dms.....lb. .11 - .16
USP anesthesia, hospitals, 1-lb. cns..lb. .60 - .61
synthetic, dms., c.l., works..lb. .14½ - —
l.c.l., works.....lb. .15¼ - —
tanks .....lb. .12¼ - —
Ethyl acetate,[2,6] 85-90%, dms., c.l., frt. alld..lb. .1170- .1275
l.c.l., frt. alld.....lb. .1220- .1325
tanks, frt. alld.....lb. .1070- .1175



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ONE OF THE WORLD'S GREAT PRODUCERS OF CHEMICALS

SODA ASH
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BICARBONATE OF SODA
CALCIUM CARBONATE
CALCIUM CHLORIDE
CHLORINE
HYDROGEN
SODIUM ZINCATES
AROMATIC INTERMEDIATES
DRY ICE
OTHER ORGANIC AND INORGANIC CHEMICALS

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VITAL TO VICTORY TODAY—READY TO WORK FOR A GREATER TOMORROW

Ethyl acetate, 95-98%, dms., c.l., frt. alld..lb. .12½- .13½
l.c.l., frt. alld.....lb. .12½- .13½
tanks, frt. alld.....lb. .11½- .12½
NF, dms.....lb. .14½- .15½
Acetoacetate, dms., c.l., works, lb. .37½- —
l.c.l., frt. alld.....lb. .38 - —
Benzoate, bots.....lb. .90 - 1.00
Bromide, tech., dms.....lb. .50 - .55
Carbamate, dms., dlvd. E...lb. .58 - —
Chloride, tech., dms.....lb. .18 - .20
USP, bbls., cyl.....lb. .20 - .22
Cinnamate, cns.....lb. 3.25 - 3.85
Formate, dms., Agnue, Calif., lb. .26 - .32
Iodide, bots.....lb. 3.50 - 3.60
Lactate, dms., works.....lb. .33½- .39½
Myristate, dms., works...lb. .55 - —
Oenanthate, dms.....lb. 1.50 - 1.75
Oleate, dms., l.c.l., works...lb. .47 - —
Oxalate, dms., frt. alld.....lb. .33 - —
Silicate, dms., l.c.l., works..lb. .77 - —
Ethylcellulose,[6] pkgs., 5,000 lbs. or more, works..lb. .50 - —
smaller lots, works.....lb. .52 - .60
Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —
Ethylene dichloride,[6] dms., c.l., works, frt. alld. E. of Rockies, frt. alld..lb. .0842- —
West of Rockies..lb. .0801- —
l.c.l., works, frt. alld. E. of Rockies..lb. .0842- —
West of Rockies..lb. .0941- —
tanks, frt. alld. E. of Rockies, lb. .0743- —
West of Rockies..lb. .0792- —
Trichloride (see Trichloroethane).
Ethyleneglycol,[2,6] dms., c.l., frt. alld. In E..lb. .10 - —
l.c.l., same basis.....lb. .11 - —
tanks, same basis.....lb. .09 - —
Monobutylether,[6] d m s., c.l., works..lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16½- —
Monoethylether,[6] d m.s., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Monoethylether acetate, dms., c.l., works..lb. .13½- —
l.c.l., works.....lb. .14½- —
tanks, works.....lb. .12½- —
Monomethylether,[6] d m s., c.l., works..lb. .16½- —
l.c.l., works.....lb. .17½- —
tanks, works.....lb. .15½- —
Ethylethanolamine, d m s., c.l., works..lb. .57 - —
l.c.l., works.....lb. .60 - —
Ethyldianilin, dms.....lb. .45 - .47½
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylmorphine hydrochloride, bots..oz.10.50 -10.75
Ethylvanillin,[1] cns., 5 lbs. or more..lb. 5.25 - —
smaller lots.....lb. 5.30 - 5.40
Eucalyptol, cns., dms.....lb. 2.75 - 3.00
Eucalyptus leaves, bls.....lb. .10 - .18
Eugenol, cns., dms.....lb. 2.65 - 3.25
Euphorbia, bls.....lb. .12 - .13

F

Feldspar, enamel, 100 mesh, bgs., min. 2 tons..ton.17.00 -20.50
bulk, c.l.....ton.14.00 -17.50
glass, 20 mesh, bgs., l.c.l., min. 2 tons..ton.12.75 -16.25
bulk, c.l.....ton. 9.75 -12.25
pottery, bgs., l.c.l., min. 2 tons, ton.20.00 -22.00
bulk, c.l., works.....ton.17.00 -19.00
Fennel seed, Argentine, bgs...lb. No stocks
Indian, bgs.....lb. .16½ Nom.
Fenugreek, Argentine, bgs.....lb. No stocks
domestic, bgs.....lb. .17 - .17½
Indian, bgs.....lb. No stocks
Morocco, futures, bgs.....lb. .11 - .11½
Ferric sulphate, anhyd., bgs., c.l., works..ton.35.00 - —
l.c.l., works.....ton.40.00 - —
Film scrap, colored, cs., 50 lbs. or over, works..lb. .13½- —
smaller lots, works.....lb. .15 - —
water white, cs., 50 lbs. or over, works..lb. .14½- —
smaller lots, works.....lb. .17 - —
Fir balsam, Canada, cns....gal.17.00 -17.25
Oregon, bbls.....gal. 2.35 - 2.50
Fishberries, bgs.....lb. .23 - .24
Fishliver oils (see Oil, fishliver).
Fishmeal,[1] grd., 60% protein, bgs., E. works..ton.72.50 - —
65% protein, same basis..ton.78.50 - —
Fishscrap, dried, 60% protein, bulk, East coast..ton.66.50 - —
Flake white, bbls.....lb. .09 - —
kegs.....lb. .11 - —
Fleaseed, French type, black, bgs..lb. .62 - .64
Indian, blonde, bgs.....lb. .11½- .14
Fluorspar, No. 1, ground, 96-98% CaF_2, bulk, c.l., mines, net ton.37.00 - —
washed gravel, 70% or more CaF_2, c.l., bulk, mines....ton.33.00 - —
65%, c.l., bulk, mines....ton.32.00 - —
60%, c.l., bulk, mines....ton.31.00 - —
less than 60%, c.l., bulk, mines..ton.30.00 - —
Formaldehyde,[1,3,6] bbls., c.l., works..lb. .0520- —
l.c.l., works.....lb. .0570- —
dms., extra, c.l., works.....lb. .0460- —
l.c.l., works.....lb. .0510- —
tanks, works.....lb. .0320- —
tanktrucks, dlvd. N.Y.C.....lb. .0345- —
Fringetree bark, bls.....lb. .65 - .70
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines..ton. 8.50 -15.00
Tex. mines.....ton.12.50 - —
spent, bulk, Bayonne....ton. 3.00 - —
Chicago.....ton. 4.00 - —
imp., bgs., c.l.....ton.30.00 -40.00
Furfural,[6] ref., dms., c.l., works, lb. .15½- —
cns., dms., l.c.l., works....lb. .18 - .25½
tech., dms., c.l., works.....lb. .13 - —
l.c.l., cns., dms.....lb. .15½- .20½
tanks, works.....lb. .09½- —
Fusel oil, crude, dms., works.gal. .75 - —
refd., dms., dlvd.....lb. .18½- .19½
Fustic cryst., No. 1, bbls....lb. .32 - —
No. 2, bbls.....lb. .30 - —
No. 3, bbls.....lb. .28 - —
extract, No. 1, bbls.....lb. .16 - —
No. 2, bbls.....lb. .15 - —
No. 3, bbls.....lb. .12½- —

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .24 - .25
Gambier, cube, Singapore, cs., lb. No stocks
extract, bbls.....lb. No stocks
Gasoline[1] at refinery, ex tax:—
Arkansas, US motor, 70-74 octane, tanks..gal. .05¾- —
Bayonne, 70-74 oct., tanks... gal. .09075- —
Gulf Coast, US motor, 70-74 octane, tanks..gal. .05¾- —
Group 3, 70-74 octane, tanks. gal. .05¾- —
natural, 26-70, tanks....gal. .04¾- .06
Gasoline, at ref'y, ex tax, Group 3, Oklahoma - Texas US motor, 70-74 octane, tanks, gal. .05⅞- .06
Pennsylvania, western, US motor, 70-74 octane, leaded, tanks..gal. .07¾- .0895
Gelatin, silver, label, ctns., dlvd., lb. .90 - .97
export, cases.....lb. 1.00 - —
Silver gelatin prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.
Gelsemium, root, bls.....lb. .19 - .20
Gentian, root, bls.....lb. .40 - .41
grd., bbls., bxs.....lb. .45 - .46
powd., bbls., bxs.....lb. .46 - .47
Geraniol, 92-96%, cns., dms.....lb. No prices
Ginger,[1] African, No. 1, bls...lb. No stocks
Calicut, bgs.....lb. .23½- .24
Cochin, bleached, bgs.....lb. .27 - .27½
unbleached, bgs.....lb. .22½- .23
Rhattoon, bgs.....lb. .22 - .22½
Jamaica, No. 1, bgs.....lb. .24 - .24½
No. 2, bgs.....lb. .23½- .24
No. 3, bgs.....lb. .23 - .24
Ginseng root, wild, South, cs..lb. 8.00 - 9.00
Glaubers salt, anhyd. (see Soda sulphate).
cryst., bgs., bbls., c.l., works, 100 lbs. 1.05 - 1.25
l.c.l., 5 tons up, works.... 100 lbs. 1.15 - 1.35
less than 5 tons, works, 100 lbs. 1.25 - 1.45
Glue, bone,[6] producers', calcium type, 24 millipoise, 36 jelly-grams, bgs., c.l., East of Midwest..lb. .16 - —
30/58, bgs., c.l., same basis..lb. .15¼- —
58/82, bgs., c.l., same basis..lb. .17 - —
82/106, bgs., c.l., same basis..lb. .18½- —
Producers' bone glue l.c.l. prices 1c. over c.l.
Glue, hide, producers,[1,6] 100-121 (jelly test in grams), bgs., c.l., dlvd..lb. .14 - .21½
122-149, bgs., c.l., dlvd....lb. .15 - .22½
150-177, bgs., c.l., dlvd....lb. .16 - .23½
178-206, bgs., c.l., dlvd....lb. .17 - .24½
207-236, bgs., c.l., dlvd....lb. .18 - .25½
237-266, bgs., c.l., dlvd....lb. .19 - .26½
267-298, bgs., c.l., dlvd....lb. .20 - .27½
299-330, bgs., c.l., dlvd....lb. .21 - .28½
331-362, bgs., c.l., dlvd....lb. .22 - .29½
363-394, bgs., c.l., dlvd....lb. .23 - .30½
395-427, bgs., c.l., dlvd....lb. .24 - .31½
428-460, bgs., c.l., dlvd....lb. .25 - .32½
461-494, bgs., c.l., dlvd....lb. .26 - .33½
495-529, bgs., c.l., dlvd....lb. .27 - .34½
Hide glue l.c.l. prices 1c. over c.l.; bbls., ½c. over bgs.
Glycerin, crude, saponification, 88%, to refiners, tanks..lb. .10½- .11
soaplye, 80%, tanks.....lb. .09½- .10
dynamite, dms., c.l.....lb. .14½- —
l.c.l.....lb. .15 - —
tanks.....lb. .14¼- —
high gravity, dms., c.l.....lb. .14½- —
l.c.l.....lb. .15 - —
tanks.....lb. .14¼- —
ref., USP, CP, 95%, dms., c.l., lb. .15½- —
l.c.l.....lb. .15¾- —
tanks.....lb. .15 - —
B.P., 98%, dms., c.l.....lb. .15¾- —
l.c.l.....lb. .16¼- —
tanks.....lb. .15½- —
yellow, distilled, dms., c.l...lb. .14¾- —
l.c.l.....lb. .14¾- —
tanks.....lb. .14¼- —
Glycine, USP, bbls., tins.....lb. 1.25 - 1.30
Glycol boriborate, dms.....lb. .22 - —
Stearate, dms.....lb. .26 - —
Gold of pleasure seed, bgs....lb. No stocks
Gold chloride, acid-brown, bots. oz.20.75 -21.00
acid-yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots. oz.13.00 - —
USP IX, bots.....oz.14.50 -14.7
Goldenseal, root, bls.....lb. 7.70 - 8.0
powd., bxs.....lb. 7.95 - 8.2
Grains of Paradise, bgs.....lb. .30 - .31
Graphite, conc., dom., crystalline, 80% through 50 mesh, carbon content, 65-70%, bgs., whse., basis lb. .04½- —
70-75%, bgs., same basis lb. .05 - —
75-80%, bgs., same basis lb. .05½- —
80-85%, bgs., same basis lb. .06 - —
85-90%, bgs., same basis lb. .07 - —
90% and up, same basis..lb. .08 - —
Grease,[1,3] house, loose.....lb. .06½- —
white, choice, loose.....lb. .08¾- —
Wool (see Adeps lanae and Degras).
Green, brilliant,[1] thioflavin toner, tungstic, kgs., works..lb. 3.75 - —
molybdic, same basis.....lb. 3.25 - —
Chrome,[1,6] CP, dark, light, medium blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .23 - —
15%, bbls., same basis...lb. .25 - —
20%, bbls., same basis...lb. .25½- —
21-25%, bbls., same basis.lb. .26 - —
26-30%, bbls., same basis.lb. .26½- —
31-35%, bbls., same basis.lb. .27½- —
36-40%, bbls., same basis.lb. .29 - —
41-45%, bbls., same basis.lb. .30½- —
46-50%, bbls., same basis.lb. 33 - —

It pays to be a Bemis Multiwall paper bag Customer

EVEN though direct government purchases have taken a considerable part of our multiwall paper bag production this year, Bemis customers have not suffered . . . they have been supplied on the basis of past purchases, even in the face of the labor shortage and no increase in facilities.

Naturally, the demand for Multiwalls has been greater than the supply. Much as we regret inability to fill all orders, we have felt a responsibility to take care of our regular customers first. Fortunately, we've been able to do that—and right on schedule. If it's humanly possible, we'll keep on maintaining this service.

War or peace, we want our customers to feel that it pays to be Bemis customers.

NORTH
WEST EAST
SOUTH

A major reason we've been able to supply our Multiwall customers is the size and flexibility of our production facilities.

Bemis Multiwall Plants at

PEORIA, ILL.
EAST PEPPERELL, MASS.
MOBILE, ALA.
SAN FRANCISCO, CALIF.
WILMINGTON, CALIF.
ST. HELENS, ORE.

These plants not only give us large production, but also quick accessibility to all parts of the country.

BEMIS BRO. BAG CO. Baltimore • Boston • Brooklyn Buffalo • Charlotte • Chicago
Denver • Detroit • Houston • Indianapolis • Kansas City • Los Angeles • Louisville
Memphis • Minneapolis • New Orleans • New York City • Norfolk • Oklahoma City • Omaha
St. Louis • Salina • Salt Lake City • Seattle • Wichita

Green, chrome, reduced color, 5%, bbls., same basis..lb. .06¾- —
9-10%, bbls., same basis..lb. .07¼- —
11-13%, bbls., same basis.lb. .08 - —
14-16%, bbls., same basis.lb. .08¼- —
17-19%, bbls., same basis.lb. .08½- —
20-21%, bbls., same basis.lb. .08¾- —
22-23%, bbls., same basis.lb. .09 - —
24-25%, bbls., same basis.lb. .09¼- —
26-27%, bbls., same basis.lb. .09½- —
28-29%, bbls., same basis.lb. .10 - —
30-31%, bbls., same basis.lb. .10½- —
32-33%, bbls., same basis.lb. .12 - —
34-35%, bbls., same basis.lb. .13 - —
36-40%, bbls., same basis.lb. .14 - —
41-45%, bbls., same basis.lb. .17 - —
46-50%, bbls., same basis.lb. .17½- —
51-55%, bbls., same basis.lb. .18 - —
56-60%, bbls., same basis.lb. .18½- —
61-65%, bbls., same basis.lb. .19 - —
70%, bbls., same basis....lb. .20 - —
71-75%, bbls., same basis.lb. .21 - —

Green, chrome, prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.

Chrome oxide,[6] pure, dms., works..lb. .24 - —

Malachite, thioflavin toner, tungstic, bbls., works..lb. 3.50 - —
molybdic, bbls., works..lb. 3.00 - —
Phthalocyanin,[1] green toner, bbls., works..lb. 4.00 - 5.00
tetrahydroxide, bbls.....lb. .85 - —
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.00 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).

Green dyes (see Dyes, green).
Grindelia robusta, bls.....lb. .18 - .19
Guaiac resin, cs.....lb. .48 - .49
Wood, bls.....lb. .05 - .06
Guaiacol, carbonate, fib. dms.lb. 2.40 - 2.74
liquid, dms.....lb. 1.75 - 2.01
Guanidin carbonate,[1] bbls., c.l., works..lb. .57 - —
smaller lots.....lb. .58 - .73½
Guarana, powd., cs.....lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. 1.20 - 1.25
Arabic, amber, sorts, bgs...lb. .12½- .13
white, sorts, 1, bgs.....lb. .28 - .30
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 3.00 - 3.50
Sumatra, cs.....lb. .52 - 1.00
Camphor (see C).
Copal, Congo, sorted, No. 30, bgs., c.l., ex dock or port, whse..lb. .55¾- —
31, bgs., same basis....lb. .21½- —
32, bgs., same basis....lb. .15¾- —
33, bgs., same basis....lb. .14 - —
34, bgs., same basis....lb. .09¼- —
35, bgs., same basis....lb. .15⅞- —
36, bgs., same basis....lb. .12⅝- —
37, bgs., same basis....lb. .18½- —
38, bgs., same basis....lb. .12¼- —
39, bgs., same basis....lb. .10⅝- —
40, bgs., same basis....lb. .08 - —
41, bgs., same basis....lb. .11⅝- —
unsorted, No. 1, bgs., same basis..lb. .14⅜- —
2, bgs., c.l., same basis..lb. .12⅝- —
3, bgs., c.l., same basis..lb. .11¼- —
FAD, bgs., c.l., same basis, lb. .14⅜- —
East India,[1] batu, bold, scraped, c.l., same basis.lb. .10¼- —
unscraped, same basis.lb. .09 - —
chips, same basis....lb. .12 - —
dust, same basis....lb. .06½- —
nubs and chips, same basis.. lb. .05¾- —

Gum, copal, Congo, East India, black, bold, scraped, bgs., unscraped.....lb. .07½- —
nubs and chips, same basis..lb. .07¼- —
pale, Hiroe-Macassar,[1] bold, bgs., c.l., same basis..lb. .17⅝- —
chips, same basis....lb. .11½- —
dust, same basis....lb. .05½- —
nubs, same basis....lb. .13⅜- —
Singapore, Rasak, bold, bgs., same basis..lb. .23⅜- —
chips, same basis....lb. .11⅞- —
dust, same basis....lb. .05½- —
nubs, same basis....lb. .16⅜- —
Macassar,[1] dust., bgs., c.l., same basis..lb. .07⅜- —
MA, same basis.....lb. .09⅝- —
MB, same basis.....lb. .09¼- —
WS, bgs., same basis....lb. .11⅜- —
Manila, Boeae,[1] hard, bold, amber, light, bskts, c.l., same basis..lb. .13½- —
dark, light, same basis.lb. .14½- —
white, same basis.....lb. .15½- —
loba,[1] A, bgs., c.l., same basis..lb. .14 - —
B, same basis.....lb. .13⅜- —
C, same basis.....lb. .13⅜- —
CBB, same basis.....lb. .12 - —
CNE, same basis.....lb. .10 - —
D, same basis.....lb. .12⅜- —
DBB, same basis.....lb. .11 - —
DK, same basis.....lb. .09½- —
DU, same basis.....lb. .08⅞- —
dust, same basis.....lb. .07⅜- —
MB, same basis.....lb. .09¼- —
WS, same basis.....lb. .11⅜- —
Manila-Singapore,[1] white split chips, bgs., c.l., same basis, lb. .15½- —
dust, same basis.....lb. .07⅜- —
whse., entry point., c.l., lb. .08⅝- —
Philippine,[1] Manila, extra bold, pale, scraped, bskts., same basis..lb. .15 - —

Gum, copal, Congo, Philippine, Manila, extra bold, sorts, same basis..lb. .12⅜- —
pale chips, bold, same basis, lb. .13 - —
nubs, WCB, same basis..lb. .13⅜- —
seeds, dust, same basis...lb. .06⅜- —
SG, same basis.....lb. .10½- —
small chips, same basis..lb. .11⅜- —
Pontianak, bold, scraped, bgs., c.l., same basis..lb. .23⅜- —
mixed, same basis....lb. .17⅜- —
chips, small, same basis..lb. .12⅜- —
cuttings of split, same basis, lb. .19¼- —
nubs, same basis.....lb. .18 - —
Gum copal, l.c.l., prices ¼c. to ½c. higher.
Dammar,[1] Batavia, A, cs, c.l., same basis..lb. .35¾- —
A/C, same basis.....lb. .31¼- —
A/D, same basis.....lb. .28⅝- —
A/E, same basis.....lb. .25⅝- —
B, same basis.....lb. .34⅜- —
C, same basis.....lb. .28⅝- —
D, same basis.....lb. .25⅝- —
E, same basis.....lb. .18⅝- —
F, same basis.....lb. .13⅜- —
dust, same basis.....lb. .13⅜- —
Singapore,[1] No. 1, cs., c.l..lb. .30⅝- —
2, bgs., same basis.....lb. .25 - —
3 bgs., same basis.....lb. .12⅜- —
chips, cs., same basis....lb. .23½- —
dust, bgs., same basis....lb. .13 - —
seeds, cs., same basis....lb. .17⅜- —
Gum, dammar, l.c.l., prices, ¼c. to ½c. higher.

Elemi,[1] cns., c.l., ex dock or port whse. entry port..lb. .09½- .09¾
Ester, gum rosin type,[1,4] dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid.-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .1185- —
l.c.l., dlvd., Ill., etc....lb. .1210- —
other points, same basis, lb. .1285- —
wood rosin type (formerly designated as "ordinary"), dms., c.l., dlvd., Ill., Ind., etc..lb. .093 - —

Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.60 - 1.95
Gamboge, pipe, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Ghatti, bgs.....lb. .25 - .40
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .15 - .46
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse..lb. .18 - —
80%, same basis.....lb. .16 - —
dust, same basis.....lb. .12½- —
nubs, same basis.....lb. .24 - —
No. 1, extra, same basis...lb. .34 - —
superior, same basis.....lb. .31 - —
No. 2, extra, same basis...lb. .30 - —
superior, same basis.....lb. .27½- —
No. 3, same basis.....lb. .23 - —
x, same basis.....lb. .36 - —
2x, same basis.....lb. .49 - —
3x, same basis.....lb. .77 - —
bush, assorted, same basis.lb. .35 - —
bold, same basis.....lb. .40 - —
bright, same basis.....lb. .18 - —
chips, same basis.....lb. .32 - —
dark, same basis.....lb. .18 - —
white, chips, pale, same basis, lb. .20¾- —
extra, same basis.....lb. .25½- —
dust, pale, same basis...lb. .20¾- —
extra, No. 1, same basis..lb. .43 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .30 - —
superior, No. 1, same basis, lb. .41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
3x, same basis.....lb. .65¾- —
4x, same basis.....lb. .66 - —
5x, same basis.....lb. 1.50 - —
Gum kauri, l.c.l., prices are ¼c. to ½c. higher.
Locust bean, powd., bbls....lb. .40 - .65
Mastic, cs.....lb. 5.00 Nom.
Myrrh, cs.....lb. .60 - .65
Olibanum, siftings, cs.....lb. .11½- .13
tears, cs.....lb. .18 - .50
Opium (see O).
Red (see Gum, Yacca).
Rosin (see R).
Sandarac,[1] cs.....lb. .99½- —
Scammony, cs.....lb. 1.30 - 1.35
Talba, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 4.50 - 5.00
No. 2, cs.....lb. 4.00 - 4.50
No. 3, cs.....lb. 2.75 - 3.00
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .06 - —
powdered.....lb. .07¼- —
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.28.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.28.25 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
Plaster of paris, paper bgs., c.l., Acme, Tex., frt.
Blue Rapids, Kan., frt. equald..ton.12.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kansas, frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., Acme, Texas, Akron, N. Y., Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Texas; Southard, Okla.; Sweetwater, Texas; frt. equald..ton. 8.00 - —
Saltville, Va.....ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem River, N. Y..ton.12.00 - —
New Brighton, N. Y.; Southard, Okla..ton.12.00 - —

H

Hawthorn berries, bgs.....lb. .57 - .60
Heliotropin, cryst., cns.....lb. No prices
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.50 - 2.85
Heratine, cryst., bbls., No. 1..lb. .34 - —
No. 2.....lb. .30 - —
No. 3.....lb. .28 - —
No. 4.....lb. .26 - —
No. 5.....lb. .24 - —
paste, bbls., No. 1.....lb. .14½- —
No. 2.....lb. .13¾- —
No. 3.....lb. .12⅜- —

Select your Chlorinating Agent from these Hooker Chlorides

Here are five Hooker Chlorides that are being widely used in Chlorination reactions. Their application is so widespread that we can only touch briefly here on a few of their uses in organic synthesis.

Sulfuryl Chloride, SO_2Cl_2, is commonly used to form organic acid chlorides. It may be used to produce chlor derivatives of phenols and in the presence of certain catalysts to produce chlor derivatives of hydrocarbons or the sulfonyl chlorides of hydrocarbons.

Thionyl Chloride, $SOCl_2$, available in a high degree of purity is a popular chlorinating agent because by-products of its reactions are sulfur dioxide and hydrogen chloride, gases readily removed by heating. It reacts with organic acids to form either acid chlorides or anhydrides depending upon ratio of acid to Thionyl Chloride.

Sulfur Dichloride, SCl_2, is used as a chlorinating agent and in these reactions may be considered the equivalent of chlorine dissolved in sulfur monochloride. It reacts with sodium salts of organic acids to produce acid anhydrides.

Sulfur Monochloride, S_2Cl_2, and ***Sulfur Dichloride,*** SCl_2, are used in metallurgy to chloridize sulfide ores. They react with unsaturated hydrocarbons introducing sulfur or chlorine, or both into the molecule. Unsaturated fatty acids are treated with these chlorides to produce cutting oil bases. They also find extensive use in the manufacture of dye intermediates, rubber substitutes, military gases, insecticides, and pharmaceuticals. Phenolic resins can be made through the use of these chlorides. The sulfur chlorides which have a ready source of chlorine are ideal chlorinating agents with the added advantages of ease of handling and storage and of low cost.

Phosgene (Carbonyl Chloride), $COCl_2$, is the acid chloride of carbonic acid. With alcohols it forms either chlorformates or carbonates. With amines it forms chloramides, substituted ureas or isocyanates. It enters into many Friedel-Crafts syntheses with aromatics to produce acid chlorides or aryl ketones. It may also act as an agent for direct chlorination. With metallic oxides and sulfides, it gives anhydrous chlorides. Reacting with organic acids it has been used to make acid chlorides and anhydrides.

Bulletin No. 328A, a technical discussion on Hooker Chlorinating Agents, gives more information on these chlorides as well as on Chlorine and Hydrogen Chloride and is available upon request. Our technical staff is also at your service in helping to solve problems involving the introduction of chlorine into organic chemicals or in the application of any of the many Hooker chemicals.

PHYSICAL DATA

	Sulfuryl Chloride	Thionyl Chloride	Sulfur Dichloride	Sulfur Monochloride	Phosgene
Formula	SO_2Cl_2	$SOCl_2$	SCl_2	S_2Cl_2	$COCl_2$
Molecular Weight	135	119	103	135	98.9
Description	Light yellow liquid	Pale yellow to red liquid	Dk. brown or reddish liquid	Yellow to slightly reddish liquid	Colorless gas or light yellow liquid under pressure
Freezing Point	Below—54°C	Below—75°C	—78°C	—80°C	—126°C
Boiling Point or Range	68° to 70°C	Technical Grade 72° to 79°C. Refined Grade 75° to 78°C	Decomposes above 40°C	138°C	8.2°C
Specific Gravity at 15.5°C	1.667±.005	1640±.005	1.638±.005	1.690±.005	1.392
Analysis	Over 99% by weight SO_2Cl_2	Technical Grade 93.0% by wt. $SOCl_2$ Refined Grade 96.0% by wt. $SOCl_2$	Minimum Cl_2 by wt. 66%	Minimum Cl_2 by wt. 50%	Shows no free Cl_2 when bubbled for one min. through 0.1% K.I. Solution

HOOKER CHEMICALS

HOOKER ELECTROCHEMICAL COMPANY
1 Forty-Seventh Street, Niagara Falls, New York
NEW YORK, N. Y. • TACOMA, WASH. • WILMINGTON, CALIF.

CAUSTIC SODA CHLORINE MURIATIC ACID
PARADICHLORBENZENE SODIUM SULFHYDRATE SODIUM SULFIDE

Hemlock bark extract,[1,6] 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. .95 - 1.10
Henna leaves, bls.....lb. .17 - .18
powd., bbls., bxs.....lb. .22 - .23
Heptane,[1] 50°-100° C., industrial grade, dms., c.l., Group 3. gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- —
77°-115°, industrial, dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....lb. .29 - —
10 gals., Group 3....gal. .55 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine,[4,6] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots.....lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots.....lb. .36 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3. gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .18 - —
l.c.l., Group 3.....gal. .29 - —
10 gals., Group 3....gal. .55 - -
Hexanol, norm., dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, bots. oz.15.00 -25.00
Hoofmeal, 17-18% ammon., bulk, Chicago..unit. 4.50 - 4.75
Hops, NF, bls.....lb. .56 - 1.50
Horehound, bls.....lb. .10½- .12
Hydrangea root, bls.....lb. No prices
Hydrastine, bots.....oz.20.00 - —
Hydrochloride, bots.....oz.20.00 - —
Sulphate, bots.....oz.29.00 - —
Hydrastinine, 10 grs., bots....bot. 1.95 - —
Hydrastics (see Goldenseal).
Hydrofuramide, dms., fib., cns., works..lb. .30 - .40
Hydrogen peroxide,[6] USP, bbls. lb. .03¾- .04
100 vols., cbys., E. of Miss. River, West Coast via Panama Canal..lb. .15½- .18½
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. 8.50 - 9.00
dms., extra, ret'able, dlvd...lb. 4.50 - —
Hyoscine hydrobromide, bots..oz.50.00 -70.00
Hyoscyamine, bots.....oz.16.00 -20.00
Hydrobromide, bots.....oz.16.00 -20.00
Sulphate, bots.....oz.16.00 -20.00
Hypernic, cryst., bbls., No. 1..lb. .42 - —
No. 2.....lb. .34 - —
extract, bbls., No. 1.....lb. .24 - —
No. 2.....lb. .16 - —

I

Icthammol, N. F., bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.23.00 -24.00
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars.....lb. 1.67 - —
150-lb. kgs., net.....lb. 1.28½- —
resubl., 5-lb. bots., jars....lb. 2.00 - 2.10
Iodoform, 100-lb. dms., kgs....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ipecac[6] root, bgs.....lb. No prices
powd., bgs.....lb. No prices
Irish moss, ordinary, bls.....lb. .26 - .28
powd., 80-90 mesh, bbls..lb. .32 - .33
prime bleached, bls.....lb. .35 - .40
powd.....lb. .40 - .50
Iron acetate, liquor, bbls., c.l., dlvd..lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns.....lb. .18 - —
Chloride (ferric), tech., anhydr., 300-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. 100 lbs. 4.00 - 6.00
USP X, cryst., lump, bbls..lb. .07 - .08½
solut., 42 be. cbys., works, frt. alld. or equald..lb. .05½- .06
djns.....lb. .10 - —
Citrate, USP VIII, gran., dms., lb. .70 - .75
powd., cns.....lb. .84 - .87
Glycerophosphate, bbls., 1,000-lb. lots..lb. 3.30 - —
100-lb. lots.....lb. 3.40 - —
cns., 25 lbs.....lb. 3.52 - —
Hypophosphite, bbls., dms...lb. 1.50 - 1.52
Iodide, bots.....lb. 3.18 - 3.32
syrup, bots., cbys.....lb. .39 - .53
Naphthenate,[6] 6% fe, 50-gal. dms..lb. .15 - —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, gran., dms.....lb. .83 - .85
powd., cns.....lb. .52 - —
kgs.....lb. .47 - .49
Oxide, black (see Black, iron oxide).
Phosphate, soluble, NF, gran., cns..lb. .54 - .57
Pyrophosphate, gran., cns...lb. .59 - .62
Reduced, 90%, kgs.....lb. .65 - .75
Resinate,[3,6] 7.4% Fe, 100-lb. dms..lb. .17½- —
Sulphate, tech. (see Copperas and Ferric sulphate).
USP, cryst., bbls., dms....lb. .05½- .11
Tallate, 4% Fe, 50-gal. dms..lb. .10¼- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.lb. .33 - .38
scales, dms.....lb. .49 - .52
Oxalate, bbls.....lb. .23½- —
dms., kgs.....lb. .25½- .26½
Iron-soda oxalate, bbls., dms..lb. .23½- .26½
Isobornyl acetate, cns., works.lb. .85 - .90
Isobutyl acetate,[6] dms., works.lb. No prices
Propionate, dms., works.....lb. No prices
Isoeugenol, cns., works.....lb. 4.05 - 4.25
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., c.l., works..lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate,[6] dms., c.l., E. of Rockies, frt. alld..lb. .11 - —
l.c.l., E. of Rockies, frt. alld..lb. .11½- .13
tanks, E. of Rockies, frt. alld. lb. .10 - —
Alcohol (see Alcohol).
Ether, dms., c.l.....lb. .06 - —
l.c.l.....lb. .06½- —
tanks.....lb. .04½- —
Isopropylamine, dms., works..lb. .35 - —

J

Jaborandi leaves, bls.....lb. .09 - .10
Jalap root, NF, bls.....lb. .37 - .38
powd., bbls., bxs.....lb. .44 - .45
Resin, lump, cns.....lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, dom., bgs.....lb. .73 - .75

K

Kamala, crude.....lb. .45 - .50
Kaolin (see China clay).
Kava kava root, bls.....lb. .23 - .24
Kerosene, at refinery:—
Ark., 41-44 w.w., bulk, tanks. gal. .04½- —
Bayonne, 41-43 w.w., tanks... gal. .07 - —
Gulf ports, 41-43 w.w., bulk. gal. .04½- —
Okla.-Tex., 41-43 w.w., tanks. gal. .04¾- —
Penn., 45 w.w., tanks....gal. .065 - .075
46 w.w., tanks.....gal. .0725- .07375
San Francisco, tanks.....gal. .11½- —
Kola nuts, bgs.....lb. .09 - .10

L

Lady slipper root, bls.....lb. 1.40 - 1.55
Lanolin (see Adeps lanae).
Lard,[1,6] pure, ref., trcs.....lb. .1522½- —
prime steam, trcs.....lb. .1448- —
Larkspur seed, bgs.....lb. 2.75 - 3.00
Laurel berries, bls.....lb. .25 - .26
Laurel leaves, Cyprus, bls....lb. .24½- .25
Greek, bls.....lb. No stocks
Portuguese, bls.....lb. .17 - .18
Turkish, bls.....lb. .29 - .30
Lavender flowers, medium, bls.lb. .80 - —
ordinary, bls.....lb. .45 - .50
select, bls.....lb. .90 - .96
Lead,[1,6] (metal) (see paint market),
Acetate,[1] white, broken, bbls.lb. .12½- —
cryst., bbls.....lb. .12½- —
gran., powd., bbls.....lb. .13¼- —
Arsenate,[1,6] basic, powder, 3-lb. bgs. or larger, c.l..lb. .11½- .12
l.c.l.....lb. .12 - .12½
1-lb. ctns., c.l.....lb. .18½- .22½
l.c.l.....lb. .19 - .23
Lead arsenate, standard, powder, 3-lb. bgs. or larger, c.l..lb. .11 - .11½
1-lb. bgs., c.l.....lb. .16 - .20
l.c.l.....lb. .16½- .20½
1-lb. ctns., c.l.....lb. .18 - .22
l.c.l.....lb. .18½- .22½
½-lb. ctns., c.l.....lb. .21 - .25
l.c.l.....lb. .21½- .25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .07½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07¾- —
l.c.l., dlvd. E.....lb. .07¾- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .08 - —
Carbonate (see Lead, white).
Chloride, fib. dms.....lb. .49 - —
Iodide, NF V, powd., bots...lb. 2.80 - —
jars.....lb. 2.69 - —
Linoleate, pale, precip., bbls.lb. .22½- —
Metallic paste, works.....lb. .19¾- .21½
Naphthenate, 24%-80% Pb, 50-gal. dms..lb. .14¼- .17½
Nitrate, bbls.....lb. .12½- —
Oleate, bbls.....lb. .17¾- —
Peroxide, powd., tech., bbls..lb. .23 - .28
Red, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
other points.....lb. .09 - —
Red, red, 95% Pb_3O_4 or less, bbls., l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb. .09¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .10¼- —
Colo., Mont., N. Mex., other points.....lb. .09½- —
smaller lots, Ala., etc. lb. .10¼- —
Ariz., etc.....lb. .10⅝- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
97% Pb_3O_4, bbls., c.l., dlvd. Ala., etc..lb. .09½- —
other points.....lb. .09¾- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10½- —
Colo., etc.....lb. .10⅝- —
other points.....lb. .09¾- —
smaller lots, dlvd. Ala., lb. .10⅝- —
Ariz., etc.....lb. .11 - —
Colo., etc.....lb. .10⅝- —
other points.....lb. .10½- —
98% Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc..lb. .09¾- —
other points.....lb. .09¼- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10¼- —
Ariz., etc.....lb. .10⅝- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
smaller lots, dlvd., Ala., etc..lb. .10¼- —
Ariz., etc.....lb. .11¼- —
Colo., etc.....lb. .11 - —
other points.....lb. .10½- —
in oil, 95% min., kgs.....lb. .14 - —
Resinate, precip.,[6] 23.3% Pb., 160-lb. dms..lb. .17½- —
Silicate, bgs.....lb. .0730- .0780

LANOLINE
Anhydrous U. S. P. Hydrous
Technical
★
WOOLGREASE
Refined Neutrals
All Grades
ROWAG
BEESWAX
Sunbleached U. S. P. Yellow
ROBINSON WAGNER CO.
MANUFACTURERS AND REFINERS
110 E. 42nd St. New York 17, N. Y.

Lead soyate, 26.15% Pb, 50-gal. dms..lb. .22¼- —
Stearate, bbls.....lb. .31 - .33
Sulphate (see Lead, white, basic sulphate).
Tallate, 10% Pb., 60-gal. dms. lb. .06¾- —
Titanate, bgs., bbls., c.l., works, frt. alld..lb. .11 - —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .11¼- —
Pac. Cst., ex whse..lb. .11½- —
smaller lots, E. frt. alld. lb. .11½- —
Pac. Cst., ex whse..lb. .11¾- —
White, basic carbonate, dry, bbls., c.l., dlvd Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo..lb. .08½- —
dlvd. other points..lb. .08¾- —
l.c.l., dlvd. Ariz., etc.lb. .08¾- —
other points.....lb. .09⅛- —
basic sulphate, dry, bbls., c.l., dlvd. Ariz., etc..lb. .07½- —
other points.....lb. .07¾- —
l.c.l., dlvd. Ariz., etc..lb. .08 - —
other points.....lb. .07½- —
in oil, consumers, kgs.....lb. .13¾- .13⅞
dealers, 100-lb. kg.....lb. .11¾- .11⅞
painters, 100-lb. kg.....lb. .12¾- .13⅛
Lecithin, edible, dms., c.l.....lb. .25¾- —
l.c.l. .....lb. .26¼- .45
in cocoa butter, dms., c.l..lb. .30½- —
l.c.l. .....lb. .40¾- .50
pure vegetable, bots., 100-lb. lots..lb. 2.75 - —
tech., dms., c.l.....lb. .25¼- —
l.c.l. .....lb. .26½- .45
Lemon peel, bls.....lb. .30 - .35
Licorice extract, mass, cns.....lb. .25 - .72
powd., bbls.....lb. .60 - .88
root, natural, Indian, bls.....lb. .12 - .14
powder, bbls.....lb. .18 - .20
Russian, bls.....lb. .12 - .13
Spanish, bls.....lb. .12 - .13
Turkish, bls.....lb. .12 - .13

Lignin extract, tanning grade, bgs., c.l., works..lb. .04 - —
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.—
Adams, Mass.....ton. 8.00 - —
Annville, Pa.....ton. 7.50 - —
Bellefonte, Pa.....ton. 7.50 - —
Berkley, W. Va.....ton. 7.50 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa.....ton. 8.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio.....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich.....ton. 8.00 - —
Martinsburg, W. Va..ton. 7.50 - —
Menominee, Mich.....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton. 13.00 - —
Riverton, Va.....ton. 7.00 - —
Ripplemead, Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal...ton. 13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.50 - —
Hydrated, paper bags, f.o.b. Adams, Mass..ton. 9.00 - —
Annville, Pa.....ton. 9.00 - —
Bellefonte, Pa.....ton. 9.00 - —
Berkley, W. Va.....ton. 9.00 - —
Buffalo, N. Y.....ton. 10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 10.00 - —
Crab Orchard, Tenn..ton. 9.00 - —
Eagle Mountain, Va..ton. 8.50 - —
Farnams, Mass.....ton. 9.00 - —

Lime, hydrated, Gibsonburg, Ohio, ton. 9.00 - —
Hannibal, Mo.....ton. 9.00 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton. 10.00 - —
Lime Crest, N. J.....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Manistique, Mich.....ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 9.00 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D.....ton. 12.00 - —
Ripplemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal...ton. 16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 9.00 - —
York, Pa. .....ton. 9.00 - —
Spray, paper bgs., f.o.b. Adams, Mass..ton. 10.00 - —
Annville, Pa.....ton. 9.50 - —
Bellefonte, Pa.....ton. 9.50 - —
Carey, Ohio.....ton. 11.00 - —
Farnams, Mass.....ton. 10.00 - —
Gibsonburg, Ohio.....ton. 11.00 - —
Lime Crest, N. J.....ton. 9.00 - —
Marblehead, Ohio...ton. 11.00 - —
Scioto, Ohio.....ton. 10.00 - —
Woodville, Ohio.....ton. 11.00 - —
York, Pa.....ton. 9.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen[2] 20.5% N. (See Ammonia, Nitrate, Limestone).
Linalool, cns.....lb. 7.25 - 8.00
Linalyl acetate, cns.....lb. 3.60 - 3.75
Linden flowers with leaves, bls.. lb. .90 - 1.00
Linseed meal,[1] 34%, bulk, c.l..ton. 45.00 - —
32%, bulk, c.l.....ton. 43.00 - —

Litharge, com'l, powd., bbls., c.l., dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .06¾- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash. lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .06 - —
Other points.....lb. .08½- —
smaller lots, dlvd. Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09⅝- —
Colo., etc.....lb. .09½- —
Other points.....lb. .09 - —
Rockland, Me.....ton. 10.00 - —
Lithium bromide, bbls., 100 lbs., works, frt. equald..lb. 1.90 - —
smaller lots, works.....lb. 1.92 - 1.95
Carbonate, NF, 250-lb. bbls., kgs..lb. 1.25 - 1.30
Chloride, jars.....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs.....lb. 1.40 - 1.45
Fluoride, bbls.....lb. 2.45 - 2.60
Hydroxide, jars.....lb. 1.25 - 1.40
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Stearate, fib. dms., 3 tons, works..lb. .50 - —
Lithopone,[1,4] ordinary, bgs (20 tons)..lb. .04¼- —
smaller lots.....lb. .04½- —
bbls., c.l. (20 tons).....lb. .04½- —
smaller lots.....lb. .04¾- —
titanate,[4] (high-strength), bgs., c.l..lb. .0560- —
smaller lots.....lb. .0585- —
bbls., c.l.....lb. .0585- —
smaller lots.....lb. .0610- —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst., ½c. higher.
Liverwort leaves, bls.....lb. .85 - .90
Lobelia herb, bls.....lb. 1.00 - 1.05
Lobeline sulphate, bots., wks.oz. 25.50 - 38.00
Logwood, cryst., No. 1, bbls...lb. .23 - —
No. 2, bbls.....lb. .26 - —
extract, liquid, No. 1, bbls..lb. .14 - —
No. 2, bbls.....lb. .13 - —
No. 3, bbls.....lb. .12½- —
No. 4, bbls.....lb. .10 - —
solid, No. 1, bxs.....lb. .23½- —
No. 2, bxs.....lb. .21½- —
Lovage (ligusticum actae folium) root, dom., bls..lb. 1.20 - 1.50
Lupulin, NF, new crop, tins..lb. 16.00 - 17.00
Lycopodium, USP, cs.....lb. 2.50 - 2.75

M

Mace,[1] Amboyna, cs.....lb. .77 Nom.
Banda, cs.....lb. .98 Nom.
West Indian, bgs.....lb. .62 Nom.
No. 1, bgs.....lb. .60 Nom.
broken, bgs.....lb. .55 Nom.
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia arsenate,[1,6] dms.....lb. .153 - .18
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09¼- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls. .....lb. .09½- —
kgs. .....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls. .....lb. .09¾- —
kgs. .....lb. .10½- —
Magnesia carbonate:—Zone 1—Conn., Del., D. of C., Md., Mass., N. J., N. Y., Pa. and R. I. Zone 2—Balance of U. S. Frt. alld. Phillipsburg, Plymouth Meeting and Valley Forge. Freight allowed on l.c.l. incl., dlvd. storedoor.
Chloride, anhyd., bbls., dlvd. lb. .12¾- —
flake, bbls., c.l., works...ton. 32.00 - —
l.c.l., works.....ton. 39.00 - 42.00
Fluoride, bbls.....lb. .20 - .21
Hydroxide, med., bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works..lb. 1.00 - 1.85
Phosphate, tribasic, USP, bbls. lb. .60 - —
Silicate (see Talc).
Silicofluoride, bois.....lb. .06 - .09
Stearate, ctn.....lb. .31 - .32
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots, dms.....lb. .42 - —
Magnesite, cal., powd., bags, f.o.b. mines, Calif..ton. 58.75 - —
dead-burnt[1] bulk, c.l., f.o.b. Chewelah, Wash..ton. 22.00 - 32.00
Maleic anhydride,[6] dms., c.l....lb. .25 - —
l.c.l. .....lb. .26 - —
Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. No stocks
Leaves, bls.....lb. .38 - .40
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .23 - .25
Manganese acetate, dms.....lb. .25¾- —
Arsenate,[6] bgs.....lb. .12 - .12¾
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls. .....lb. 19 - —
Chloride, anhyd., bbls.....lb. .15 - .18
Manganese dioxide, African, battery, 84-87%, bbls., 28-40 tons, works..ton. 74.00 - —
5-15 tons, works..ton. 77.00 - —
smaller lots, works.ton. 82.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton. 74.00 - —
l.c.l., 5 tons, works..ton. 77.00 - —
smaller lots, works..ton. 82.00 - —
burlap bgs., c.l., works, ton. 71.75 - —
l.c.l., 5 tons, works..ton. 74.75 - —
smaller lots, works..ton. 79.75 - —
paper bgs., c.l., works..ton. 70.00 - —
l.c.l., 5 tons, works..ton. 73.00 - —
Glycerophosphate, bgs., bbls., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —

Strategic Planning
—FRAMEWORK FOR FINAL VICTORY

IN THIS WAR, more than in any other war in history, victory depends on broad strategic planning. For huge land, sea and air forces must be distributed over vast areas and deployed into positions of tactical advantage from which decisive blows may be struck. This calls not only for military skill but for the specialized skills for which America is famous—technical ingenuity, mechanical ability and especially the application of "mass" methods to production, transportation, construction and the use of many technical sciences on a large volume scale. Indeed, America possesses that vital "Margin of Experience" in these activities which permits strategic planning on an unprecedented scale and has already established the framework for the final victory.

In every field of science, commerce and industry, this "Margin of Experience" proves again and again to be a factor vital to success. Niagara offers it in the field of electro-chemical products. For Niagara has pioneered constantly in the development, improvement and adaptation to new uses of Liquid Chlorine, Caustic Potash, Caustic Soda, Carbonate of Potash and Paradichlorobenzene. Rely on Niagara's "Margin of Experience" for greater success in the use of these products.

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60 East 42nd Street, New York 17, N. Y.
CAUSTIC POTASH • CAUSTIC SODA • PARADICHLOROBENZENE
CARBONATE OF POTASH • LIQUID CHLORINE

ADVENTURES IN THE "MARGIN OF EXPERIENCE"

Manganese linoleate, liquid, 4%, dms..lb. .20 - —
solid, precip., 8.2%, bbls...lb. .22 - —
Napthenate, 6% Mn, 50-gal. dms..gal. .16 - —
Resinate, fused, 3½%, bbls..lb. .09 - .10½
precip., dms.....lb. .14½- .15½
Soyate, 8.2% Me, 50-gal. dms. lb. .22 - —
Sulphate, anhyd., dms., works, lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .05
fertilizer, 65%, $MnSO_4$, bgs., c.l., dlvd. East..ton.59.50 - —
l.c.l., same basis or f.o.b. Balto. and Cincinnati..ton.68.50 - —
industrial grade, 80%, $MnSO_4$, bgs..lb. .05 - .05¾
Tallate, 4% Mn, 50-gal. dms.lb. .09 - —
Mangrove bark, E. Arr.....ton.65.00 -66.00
Manna flake, cs.....lb. No stocks
Mannitol,[6] com'l grade, bbls., works..lb. .35 - .40
reagent grade, 50-lb. cs. or multiples, works..lb. .85 - —
Manure, sheep, bgs., c.l., Mid-west shipping points..ton.14.50 20.00
kiln-dried, bgs., c.l., f.o.b. Chicago..ton.17.50 -25.00
Marjoram, Argentine, bls.....lb. .23½- .24
California, French type, bls., f.o.b. Pacific Coast..lb. .47 - .48
Chilean, bls.....lb. .19½- .20
Matico leaves, bls.....lb. .22 - .29
Menadione, USP, bots....gram. .10 - —
Menthol, tech., synth., cns....lb. 5.00 - 6.00
USP,[1] natural, cns.....lb.10.00 -10.50
synth., cns.....lb.13.00 - —
racemic, cns.....lb. 8.60 - 9.15
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .72
30%, pails.....lb. 1.23 - 1.34
50%, pails.....lb. 1.69 - 1.71
Mercury bichloride[2] (see Corrosive sublimate).
Bisulphate,[2] dms.....lb. 2.45 - 2.47
Chloride,[2] (see Calomel).
Cyanide,[2] cryst., powd.....lb. 2.72 - —
Iodide,[2] red, NF, dms., kgs..lb. 4.38 - —
yellow, fib. dms., kgs.....lb. 4.48 - —
Nitrate ointment (see Citrine ointment).
Oxide,[2] NF (see Red, precipitated).
tech. (see Red, mercury, oxide).
yellow, USP, fib. dms.....lb. 3.07 - 3.09
red,[2] NF (see Red, precipitate).
tech. (see Yellow, mercury oxide).
Mercury and chalk,[2] 5-lb. ctns.lb. 1.66 - 1.71
dms.....lb. 1.59 - 1.61
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks.....lb. .10¼- —
Metal leaf, composition, 5½x5½ in..pkg. 3.00 - —
Gold X+, deep, 23, 3⅜x3⅜ in. pkg.15.00 - —
Silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .70 - —
Methanol,[1,5,6] natural, all grades, dms., c.l., E. of Miss. R. gal. .63 - .66
l.c.l., same basis.....gal. .73 - .76
tanks, same basis.....gal. .60 - —

Inside prices on natural methanol are drums extra; outside drums included. Prices W. of Miss. R. 3c. higher.

synthetic, dms., c.l., Zone 1, frt. alld..gal. .31 - —
2, frt. alld. or dlvd...gal. .34 - —
3, frt. alld.....gal. .38 - —
4, frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld.....gal. .43 - —
3, dlvd. S. F. and L. A., gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —
tanks, Zone 1, frt. alld...gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in Zone 4 have the option of buying at the delivered Zone 4 price or at the Zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, non-ret. dms., c.l., dlvd..lb. .0750- —
l.c.l., 10-dm. lots, dlvd...lb. .0875- —
single dms., dlvd.....lb. .0975- —
smaller cont., dlvd.....lb. .1475- —
hydrogenated, non-ret. dms., c.l., dlvd..lb. .1150- —
l.c.l., 10-dm. lots, dlvd...lb. .1275- —
single dms., dlvd.....lb. .1375- —
smaller cont., dlvd.....lb. .1875- —
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W of Miss.....lb. .11½- .12
l.c.l., E. of Miss.....lb. .13 - .14
W. of Miss.....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10¼
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..gal. .29½- —
Acetone, natural, Group A, dms., c.l., E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis.....gal. .60 - —

Natural methyl acetone quoted dms., included by Group A. Prices W. of Miss. R., 3c. per gal. higher.

Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis, gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
tanks, Zone 1, same basis, gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .64½- —

Natural methyl acetone quoted drums extra by Group B. Sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

Methyl acetone, synthetic, dms., c.l., Zone 1..gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —

Synthetic methyl acetone sales zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga, Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Alcohol (see Methanol).
Anthranilate, 100-lb. lots....lb. 2.20 - 2.50
25-lb. lots, bots.....lb. 2.35 - 2.65
Benzoate,[6] cns.....lb. .55 - 1.00
Bromide, cns.....lb. .75 - .80
cyls.....lb. .65 - .75
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
50 to 400 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
servicemen and consumers, lb. .40 - —

Methyl chloride, refrig., tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .36 - .40

Methyl chloride quotations are spot or contract, ship. point. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders, uniformly 10c. per pound higher.

Cinnamate, cns.....lb. 1.50 - 4.00
Formate, dms.....lb. .80 - —
Iodide, bots.....lb. 4.00 - 4.15
Methyl lactate, dms., c.l., dlvd.. lb. No stocks
Oleate, dms., c.l.....lb. .35 - —
Salicylate,[1] 500-lb. dms.....lb. .35 - —
25-50 lbs.....lb. .37 - .98
Methylamyl ketone, cns., dms., works..lb. .25 - .28
Methylcellulose, specl., vis. (4,000 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
100 to 1,999 lbs., frt. alld.lb. .65 - —
1 to 99 lbs., works.....lb. .70 - —
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
100 to 1,999 lbs., frt. alld., lb. .58 - —
1 to 99 lbs., works.....lb. .63 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs.100 lbs. 2.00 - 2.15
cns., 5 lbs.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. .18 - .28
solvent, dms., works.....lb. .12 - .18

Methylethyl ketone,[6] dms., E. of Rocky Mts..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
tanks, same basis.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .90 - —
Methylisobutyl ketone,[6] dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
Methylnaphthyl ketone, cryst., cns..lb. No stocks
Methylpentanediol, dms., c.l., wks. lb. .16 - —
l.c.l., works.....lb. .16½- —
1 and 5-gal. cont., works..lb. .20½- .22½
tanks, works.....lb. .15 - —
Mica, dry grd.,[1] roofing, white, 20 mesh, bgs., c.l., f.o.b. works..ton.27.50 - —
l.c.l. .....ton.32.50 - —
30-31 mesh, bgs., c.l..ton.27.50 - —
l.c.l. .....ton.32.50 - —
40-45 mesh, bgs., c.l..ton.27.50 - —
l.c.l. .....ton.32.50 - —
80 mesh, bgs., c.l....ton.35.00 - —
l.c.l. .....ton.38.00 - —
paint, plastic, 100 mesh, c.l., bgs..ton.40.00 - —
l.c.l. .....ton.43.50 - —
wet-grd.,[1] biotite, c.l., bgs..lb. .04 - —
1,000 mesh, bgs., c.l.....lb. .03¾- —
l.c.l. .....lb. .04¼- —
white, 1,000 mesh, bgs., c.l.lb. .05¾- —
l.c.l. .....lb. .06½- —
paint or lacq., c.l., bgs....lb. .04¾- —
l.c.l. .....lb. .05¼- —
rubber, c.l., bgs.....lb. .04½- —
l.c.l. .....lb. .05 - —

F A M O U S

Caustic Comments

When invited to attend a dinner party given by a snobbish socialite, the late John Barrymore replied in caustic tones, "I'm frightfully sorry I won't be able to come, Mrs. Bore. I have a previous engagement which I shall make just as soon as I possibly can!"

Dow

ONE OF MANY DOW CHEMICALS USED BY AMERICAN INDUSTRY

Caustic Soda

We have a *Caustic* Soda message also: Dow is exceptionally well situated to supply industry with Caustic Soda and other heavy chemicals in the Dow tradition of service, reliability and product-quality. Three Dow plants—in California, Texas and Michigan—are strategically located to serve your needs, wherever you may be.

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DOW
CHEMICALS INDISPENSABLE TO INDUSTRY AND VICTORY

Mica, wet-grd., wallpaper, bgs., c.l..lb. .04¾- —
l.c.l. .....lb. .05¾- —

Mica, dry grd., quoted works: wet grd. and 1,000-mesh mica in carload lots is frt. alld. E.; less carload, lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per lb. higher W. of Miss. R. and 1c. per lb. higher W. of Rockies.

Milk powder, skimmed,[1] roller, bulk, Zone A, bbls..lb. .12½- —
Zone B.....lb. .12¾- —
spray, bbls., bulk, Zone A..lb. .14½- —
Zone B.....lb. .14¾- —

Milk powder Zones are:—Zone A, all States not included in Zone B. Zone B, Conn., Del., D. C., Mass., Md., Me., N. J., N. H., N. Y., Pa., R. I., and Vt.

whole, roller, bbls.....lb. .35 - —
spray, bbls.....lb. .36 - —
Sugar,[1] bbls., c.l., works....lb. .26 - —
l.c.l., works.....lb. .26¾- .27½

Mineral spirits (see Petroleum, mineral spirits).

Molasses,[1,6] blackstrap, tanks, works, Area 1..gal. .18 - —
Area 2, same basis....gal. .18½- —
Area 3, same basis....ton.26.00 - —
Area 4, same basis....ton.29.00 - —
Area 5, same basis....ton.34.60 - —

Note—Area No. 1, Fla., Ga., La., Tex.; Area No. 2, Mass., Md., N J., N. Y.; Area No. 3, Calif.; Area No. 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area No. 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).

Molybdenum metal,[1,6] kgs., 99%, powd...lb. 2.60 - 3.00
Trioxide,[6] pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., works.....lb. .80 - —

Monoamylamine, dms., basis 100%, c.l., works..lb. .61 - —
l.c.l., works.....lb. .64 - —

Monobutylamine, dms., basis 100%, c.l., works..lb. .48 - —
l.c.l., works.....lb. .51 - —

Monochlorobenzene, dms., c.l..lb. .05½- —
l.c.l. .....lb. .07 - .09

Monoethanolamine,[6] dms., c.l., frt. alld. E..lb. .24½- —
l.c.l., same basis.....lb. .25½- —
tanks same basis.....lb. .23½- —

Monoethylamine, basis 100%, dms., c.l., works..lb. .43 - —
l.c.l., works.....lb. .46 - —

Monoethylaniline, dms.....lb. .47 - —

Monomethyl para aminophenol sulphate, dms..lb. 2.40 - 2.90

Monomethylamine, dms.....lb. .65 - —

Monosodium phosphate (see Soda phosphate, monobasic).

Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —

Acetate, bots., 5 ozs.....oz. 9.00 - —
25 ozs.....oz. 8.80 - —

Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —

Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —

Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —

Morpholine, dms., 55 gals., l.c.l., works lb. .67 - —
smaller containers, works....lb. .75 - —

Mullein leaves, cns.....lb. .12 - .13

Musk, nat., Tonquin, grains, bots., oz. No stocks
synth., ambrette, cns., 100 lbs. or more..lb. 4.00 - 9.00
25 lbs. to 75 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.25 - 9.45

ketone, cns., 100 lbs. or more, lb. 4.15 - 9.25
25 lbs. to 75 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70

Musk, synth., xylol, cns., 100 lbs. or more..lb. 1.40 - 2.00
25 lbs. to 75 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90

Musk root, bls.....lb. 2.25 - 2.30

Mustard seed, Calif., brown, bgs., lb. .16¼- .17
Montana, brown, bgs.....lb. .072½- .0775
Oriental, bgs.....lb. .0640- .0680
yellow, bgs.....lb. .1450- .1500
Washington, yellow, bgs.....lb. .14¼- .14¾

Myrobalans,[6] J1, whole, bgs..ton.*56.00 -57.00
crushed .....ton.*68.00 -70.00
J2, whole bgs.....ton.*47.00 -49.00

*Marine insurance extra and for buyer's account.

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).

Naphthalene,[2,6] crude, dom., 74°, bgs., c.l., frt. equald..lb. .03 - —
bbls., c.l., same basis...lb. .031 - —
tanks, same basis.....lb. .0275- —
78° bgs., c.l., same basis.lb. .0325- —
bbls., c.l., same basis...lb. .0335- —
tanks, same basis.....lb. .03 - —

refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .08 - —
50-lb. cs., same basis....lb. .08¼- —
1-lb. pkgs., same basis...lb. .08¾- —

Neocinchophen, USP, dms.....lb. 7.00 - 7.10

Nepheline, syenite, glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —

Nepheline syenite in bgs. is priced $2 per ton above the bulk quotations.

Neroline, cryst., cns.....lb. 1.70 - 2.00

Niacin (see Acid, nicotinic).

Nickel,[6,5] carbonate, bbls.....lb. .36 - .36½
Chloride,[6] bbls.....lb. .18 - .20
Cyanide,[6] bots., dms.....lb. No stocks
Oxide,[6,6] black, bbls.....lb. .35 - .38
Salt,[6,5] bbls.....lb. .13 - .13½

Nicotine, sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 90 lbs..lb. .8660- —
tins, 10 lbs.....lb. 1.015 - —

Nicotinamide,[6] USP, dms....kilo.13.25 -13.55

Nikethamide, bots., cbys.....lb.17.00 -18.00

Nitercake, bulk, works.....ton.16.00 - —

Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —

Nitrocellulose, alcohol-soluble, ¼, ½ sec., 30-35 cps., bbls., dry weight, l.c.l., works. lb. .28 - —
5-6, 40-60, cps., same basis. lb. .27 - —
ester-soluble, ¼, ½ sec., 30-35 cps., bbls., dry weight, l.c.l., works..lb. .26 - —
5-6, 15-20 cps. and higher, bbls., dry weight, l.c.l., works..lb. .25 - —

Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.

Nitroethane, dms., l.c.l., wks..lb. .25 - —

Nitrogen, solut.,[6] tanks...ton N.108.21 - —

Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va.

Nitrogenous process tankage,[1] bulk, works.....unit-ton. 3.15 - 3.50
sewage sludge,[1] bulk, works, unit-ton. 2.60 + 4.40- 3.00 + .40

Nitromethane, dms., l.c.l., works. lb. .25 - —

Nitronaphthalene, bots.....lb. .24 - .25

Nitropropane I, dms., works..lb. .25 - —
II, dms., same basis.....lb. .25 - —

Nutgalls,[6] Aleppo, bgs.....lb. .47 - .48
Chinese, bgs.....lb. .45 - .46

Nutmegs,[1] West Indian, No. 1, futures, bgs..lb. .34¼- .34⅝

Nux vomica, bls.....lb. .08½- .09
powder, bbls., bxs.....lb. .12 - .13

O

Oakbark extract,[1,6] 25% tan., bbls., c.l., works..lb. No stocks

Octane,[1] 100-140° C., industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G.3.....gal. .29 - —
10 gals., G.3.....gal .55 - —
tanks, G.3.....gal. .13 - —

Octanol, normal,[6] tech., 360-lb. dms., dlvd..lb. .35 - —

Oil, almond, bitter, artif. (see Benzaldehyde).
bitter, F.P.A.....lb. 5.25 - 5.50
natural, USP, bots.....lb. Nominal
sweet, exp., dms., cns.....lb. 1.32 - 1.50
Angelica root, bots.....lb.125.00 -140.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, USP, Russian, cns....lb. 4.00 - 4.25
Apricot kernel, cns.....lb. .45 - .55
Avocado, cns., dms.....lb. 1.05 - 1.25
Babassu,[1,5] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns.....lb. 1.50 - 1.65
Puerto Rican, 55-60%, cns..lb. 1.55 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 4.25
natural, Italian, coppers...lb. 8.50 Nom.
Brazilian, cns.....lb.10.00 -10.25
Birch (see Oil, sweet birch).
Birchtar, crude.....lb. No stocks
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns.....lb. 5.25 - 5.50
Mexican (see lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. 2.25 Nom.
redistilled, USP X, cns.....lb. 2.40 Nom.
Calamus, cns.....lb.22.50 -25.00
Camphor, sassafrassy, cns...lb. No stocks
white, cns.....lb. No stocks
Cananga, native, cns.....lb.12.75 -14.00
rectified, cns.....lb.15.00 -17.50
Capsicum (oleoresin), USP VII, cns..lb. 4.50 - 4.65
Caraway, USP, cns.....lb.17.00 -20.00
Cardamom, bots.....lb.18.00 -20.00
Cassia, USP, cns.....lb. No stocks
Castor,[1] blown, dms., returnable, c.l..lb. .15¼- —
l.c.l. .....lb. .16 - —
cold pressed, USP, bbls., c.l.. lb. .14 - —
cns. .....lb. .15¾- .17¾
dms., returnable, c.l....lb. .13¾- —
l.c.l. .....lb. .14½- —
tanks .....lb. .13 - —
dehyd., bodied, dms., c.l....lb. .1790- —
l.c.l. .....lb. .1830- —
tanks .....lb. .1750- —
unbodied, dms., c.l.....lb. .1690- —
tanks .....lb. .1650- —
No. 3, tech., bbls., c.l.....lb. .13¾- —
l.c.l. .....lb. .14¼- —
dms., returnable, c.l....lb. .13½- —
l.c.l. .....ib. .14¼- —
tanks .....lb. .12¾- —
sulphonated, 50% (48% fat), dms., c.l..lb. .09½- .09¾
l.c.l. .....lb. .10½- .11
75% (63% fat), dms., c.l..lb. .11¾- —
l.c.l. .....lb. .12¾- .13
80% (68% fat), dms., c.l..lb. .12¼- .12½
l.c.l. .....lb. .13¼- .13½
Cedarleaf,[1] cns., dms.....lb. 2.60 - 2.85
Cedarwood, dms.....lb. .90 - 1.25
Celery, bots.....lb.18.50 -22.00
Chaulmoogra, USP, cns.....lb. .70 - .75
Chinawood (see Oil, tung).
Cinnamon bark, bots.....lb.32.50 -35.00
leaf oil, dms.....lb. 1.50 - 1.85
Citronella, Ceylon, cs.....lb. 1.00 - 1.05
Java, cns.....lb. No stocks
Clove, USP, cns.....lb. 1.70 - 1.75
Coconut,[1,6] Ceylon, crude, bulk, c.i.f. N. Y..lb. .0885- —
Cochin type, crude, bulk, c.i.f. N. Y..lb. .0935- —
Manila, crude, bulk, c.i.f., N. Y..lb. .0835- —
ret. dms.....lb. .0885- .0985
edible, ex tax, dms.....lb. .0985- —
Cod, Newfoundland, dms...gal. .85 - .88
tanks .....gal. .82 - .83
Codliver,[6] med., USP, bbls., dms..gal. 2.40 - 2.50
Coriander, bots.....lb.30.00 -35.00
Corn,[1,5] crude, tanks, works.lb. .12¾- —
edible, dms., l.c.l.....lb. .16¼- .16½
tanks .....lb. .1502- —
foots, acid 95%, tanks, divd. E..lb. .07¼- —
raw, 50%, tanks, divd. E.lb. .03¼- —
Cottonseed,[1,5] cooking, l.c.l., ret. dms..lb. .16¼- —
crude, tanks, works.....lb. .12½- .13⅛
foots, acid, 95%, tankcar, divd. E..lb. .07⅜- —
raw, 50%, tanks, divd. E.. lb. .03⅝- —
salad, l.c.l., ret. dms....lb. .16¼- —
Creosote (see C).
Croton, NF, cns.....lb. 4.00 - 4.25
Cubeb, USP, cns.....lb. No prices.
Crude (see Petroleum, crude).

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Oil, cumin, bots.	lb.	No stocks
Cypress, bots.	lb.	5.00 -12.00
Degras (see D).		
Dillseed, bots.	lb.	10.00 Nom.
weed, bots.	lb.	4.75 - 5.00
Dip (see D).		
Erigeron, cns.	lb.	2.25 - 2.40
Eucalyptus, cns.	lb.	1.00 - 1.20
Fennel, sweet, cns.	lb.	4.50 Nom.
Fir, Canada, cns.	lb.	2.50 - 2.75
Fishliver,[1,5] dms., less than 40,000 A units per gram, per million units.		.14 - —
for each 1,000 additional A units up to 200,000 per gram, per million units.		.001 - —
200,000 or more A units, per million units.		.30 - —
Fuel (see Petroleum, fuel oil).		
Gaultheria (see Oil, wintergreen leaf).		
Geranium, Algerian, cns.	lb.	12.00 Nom.
Bourbon, cns.	lb.	13.00 -14.00
Russian, cns.	lb.	15.50 - —
Turkish (see Oil, palmarosa).		
Ginger, dist., bots.	lb.	20.00 -22.50
Grapefruit, cns.	lb.	2.15 - 2.20
Hemlock, cns.	lb.	2.65 - 3.34
Herring,[1] crude, tanks, Pac. coast.	lb.	.089 - —
Juniper berry, dom., bots.	lb.	10.00 -15.00
wood, tech., cns.	lb.	1.00 - 1.25
Juniper tar, USP, dms.	lb.	1.15 - 1.20
Lard,[1,5] com., No. 1, bbls., c.l.	lb.	.14 - —
extra, No. 1, bbls., c.l.	lb.	.14½- —
Winter, strained, bbls., c.l.,	lb.	.15 - —
prime, burning, bbls., c.l.	lb.	.16 - —
inedible, bbls., c.l.	lb.	.15½- —
Laurel, bots.	lb.	No prices.
Lavandin, cns.	lb.	No stocks
Lavender flower, French, cns.,	lb.	No prices
Russian, cns.	lb.	11.00 -11.50
garden, cns.	lb.	.55 - .75
spike, Spanish, pure, cns.	lb.	3.50 - 4.00
tech., cns.	lb.	2.75 - 3.00
Lemon, Calif., cns.	lb.	3.25 - —
Messina,[1] cns.	lb.	3.25 - —
Terpeneless	lb.	55.00 -60.00
Lemongrass, cns., dms.	lb.	1.70 - 1.75
Lignaloe wood, Brazilian (see Bois de Rose).		
Mexican, seed, cns.	lb.	No stocks
wood, cns.	lb.	3.75 - 4.00
Lime, dist., Jamaica, cns.	lb.	7.25 - 7.50
Mexican, cns.	lb.	7.00 - 7.50
expressed, Jamaica, cns.	lb.	12.50 -13.50
Linseed,[1,6] raw, dms., c.l.	lb.	.1550- —
l.c.l.	lb.	.1600- .1660
tankcar	lb.	.1470- —
tankwagon	lb.	.1470- —
Boiled linseed oil, .004 over raw.		
Linseed replacement, dms., c.l.,	lb.	.1305- .1550
tankcar	lb.	.1270- .1470
Lubricating,[1] at refinery, extax, California, neutral, pale, 200-800 vis., 2¼-4 pour, tanks.	gal.	.07¼- .11
red, 200-900 vis., 4-6⅔ pour, plus tanks.	gal.	.07¼- .11¼
Group 3, bright stock, 150-160 vis., 0-25 pour, tanks.	gal.	.25 - —
neutral, 300 vis., No. 3, col., 0-10 pour, tanks.	gal.	.14½- .18
200-280 vis., No. 3, col., 15-25 pour, tanks.	gal.	.15 - .17½
Pa., bright stock, 140-150 vis., No. 8 color, 10-25 pour, tanks.	gal.	.24 - .30½
cylinder oils, 600-630 flash, tanks.	gal.	.16 - .17
600-650, steam ref'd, tanks.	gal.	.15 - .15½
neutral, 70° F., No. 3 color, 150 vis., .25 pour, tanks.	gal.	.27 - .31
200 vis., 25 pour, tanks	gal.	.28 - .33
Mace, dist., cns., dms.	lb.	5.00 - 5.25
Mandarin, Brazilian, cns.	lb.	8.75 - 9.00
Menhaden,[1,5] crude, tanks, Balto.	lb.	.0890- —
refined, alkali, dms., l.c.l.	lb.	.1400- —
kettle-bodied, dms., l.c.l.	lb.	.1500- —
light-pressed, dms., l.c.l.	lb.	.1300- —
tankcars	lb.	.1225- —
Mineral, white (see Oil, white mineral).		
Mustard, artif., USP, cns.	lb.	No stocks
Mustard seed,[6] exp., dms., extra, l.c.l.	lb.	.14¾- —
Neatsfoot,[1,5] 15°, bbls., c.l.	gal.	1.90 - —
20°, bbls., c.l.	gal.	1.80 - —
30°, bbls., c.l.	gal.	1.60 - —
pure, bbls., c.l.	lb.	.15½- .16
Neroli, bots.	lb.	200.00 -300.00
Nutmeg, dist., cns., dms.	lb.	5.00 - 5.25
Oiticica, liquid, dms.	lb.	.24 - —
Oleo,[1] extra dms., Chicago.	lb.	.1304- —
prime, dms., Chicago.	lb.	.1275- —
Olibanum, bots.	lb.	5.00 - —
Olive, denat., dms.	gal.	No stocks
edible,[1] Calif., 3%-½% f.f.a., works, dms. extra.	gal.	4.30 - 4.80
imported, dms.	gal.	No stocks
foots, dms.	lb.	No stocks
sulphonated, 50% (40% fat), dms., c.l.	lb.	No stocks
l.c.l.	lb.	No stocks
80% (68% fat), dms., c.l.	lb.	No stocks
l.c.l.	lb.	No stocks
85% (68% fat), dms., c.l.	lb.	No stocks
l.c.l.	lb.	No stocks
Orange, sweet, dist., cs.	lb.	1.25 - —
expressed, Brazilian, cns.	lb.	1.40 - 1.45
Calif. cns.	lb.	1.75 - 2.00
Florida, cns., dms.	lb.	1.40 - 1.45
Messina, USP, coppers.	lb.	No stocks
West Indian, cns.	lb.	3.75 - 4.00
sequiterpeneless, bots.	lb.	100.00 -112.00
Origanum, Spanish, cs.	lb.	2.40 - 2.75
Palm,[1,5] Niger, dms.	lb.	.0865- —
Palm kernel, crude, bulk, c.l.f. N. Y.	lb.	.0835 Nom.
Palmarosa, cns.	lb.	5.50 - 5.75
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.3.	gal.	.05⅝- .06¼
320° flash, 60-70 vis., tanks, same basis.	gal.	.08 - —
350° flash, 70-89 @ 100 vis., 0/10 pour.	gal.	.08 - —
80-85 vis., 0/10 pour, bbls., extra, Ind. refy.	gal.	.09½- —
100-110 vis., 0/10 pour, same basis.	gal.	.08¼- .15
10/25 pour, same basis.	gal.	.08¼- .09¾
Patchouli, cns.	lb.	20.00 Nom.
Peanut,[1,5] crude, tanks, works.	lb.	.12⅞- .13⅜
bleached, deod., tanks, dlvd E.	lb.	.1501- —
hydrogenated, tanks, dlvd. E.	lb.	.1573- .1578
foots, acid, 95%, tanks, dlvd. E.	lb.	.08 - —
raw, 50%, tanks, dlvd. E.	lb.	.04 - —
Pennyroyal, dms., cns.	lb.	4.10 - 4.25
import, cns.	lb.	No prices
Peppermint, natural, dms.	lb.	7.50 - —
redist., USP, dms.	lb.	8.05 - 8.22
Perilla, crude, dms.	lb.	No stocks
Petitgrain, Paraguay, cns., dms.	lb.	1.85 - 2.00
Pimento, berry, dms.	lb.	8.00 - 8.25
Leaf, cns.	lb.	4.35 - 4.50
Pine,[1,6] ret. dms., c.l., dlvd. E.	gal.	.63 - .63¼
l.c.l., ret. dms., dlvd. E.	gal.	.73 - —
tanks, works.	gal.	.55 - —
Pineneedle, cns.	lb.	3.10 - 3.15
Oil, putty,[2] bbls., E. Segundo, Richmond, Cal.	gal.	.22½- —
contracts	gal.	.19½- —
dms., c.l., Whiting, Ind.	gal.	*.34 - —
Boston, Providence.	gal.	.25 - —
l.c.l., same basis.	gal.	.27 - —
tanks, same basis.	gal.	.18 - —
Martinez, Cal.	gal.	.26 - —

* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.

Rapeseed,[1,5] bulk, New Orleans,	lb.	.1156½- —
Red,[1,5] dist., ret. dms., dlvd.	lb.	.13¼- .14¼
tanks, dlvd.	lb.	.12¼- —
double dist., ret. dms., dlvd.,	lb.	.15⅞- .16⅞
Saponified, same prices.		
Rose, natural, coppers.	oz.	No stocks
Rosemary, Spanish, cns., dms.,	lb.	1.60 - 2.00
Rosin, 1st rectified, dms.	gal.	.66 - —
2nd rectified, dms.	gal.	.68 - —
3rd rectified.	gal.	.72 - —
Rue, bots.	lb.	8.25 Nom.
Sage, Spanish, cns.	lb.	3.60 - 5.00
Sandalwood, NF, dist., cns.	lb.	6.75 - —
Mysore, cns., case lots.	lb.	7.00 - 7.25
Sardine, crude,[1,5] tanks, Pac. coast.	lb.	.089 - —
refined, alkali, dms., l.c.l.	lb.	.1400- —
kettle-bodied, dms., l.c.l.	lb.	.1500- —
light-pressed, dms., l.c.l.	lb.	.1300- —
tankcars	lb.	.1225- —
Sassafras, artif., cns.	lb.	1.00 - 1.40
natural, cns., dms.	lb.	1.90 - 2.00
Savin, cns.	lb.	No stocks
Savory, cns.	lb.	8.00 - —
Seal,[1] No. 1, tanks, Am. ports,	lb.	.089 - —
Sesame,[1,5] tanks.	lb.	.1430- —
Shingle stain, bbls., c.l., works,	gal.	.2185- —
l.c.l., works.	gal.	.23 - .29
tanks, works.	gal.	.15 - .18
Oil, snakeroot, Canada, cns.	lb.	No stocks
Soybean,[1,5] crude, tanks, Decatur.	lb.	.1175- —
clarif., dms.	lb.	.1296- .1338
tanks	lb.	.1256- —
deod., Winter, tankcar	lb.	.1393- —
ret. dms.	lb.	.1500- .1540
foots, acid, 95%, tanks, dlvd. E.	lb.	.07½- —
raw, 50%, tanks, dlvd. E.	lb.	.05½- —
refd., varnish, dms.	lb.	.1386- .1400
tanks	lb.	.1340- .1347
Spearmint, dms.	lb.	4.00 Nom.
Sperm, bleach, 38°, dms.	lb.	.1443- —
natural, 45°, dms.	lb.	.1310- —
Spruce,[1] cns., dms.	lb.	2.65 - 3.34
Sunflower,[6] imp., ref., tanks.	lb.	.1438- —
semi-refined, tanks.	lb.	.1430- —
Sweet birch, North, cns.	lb.	4.00 - 5.00
South, cns.	lb.	2.50 - 3.75
Tall, crude, dms., c.l., works.	ton.	53.65 -55.00
l.c.l., works.	ton.	58.65 -63.65
tanks, works.	ton.	40.00 -45.00
refined, dms., c.l., works.	lb.	.05 - .05¼
l.c.l., works.	lb.	.05¼- —
tanks, works.	lb.	.04½- —
Tallow,[2,5] acidless, bbls.	lb.	.14¼- —
tanks	lb.	.13⅝- —
Tansy, cns.	lb.	4.50 - 4.55
Tar,[1] pine, dms., c.l., dlvd. E. cities.	gal.	.32⅜- —
l.c.l., f.o.b. works.	gal.	.29⅜- —
tanks, dlvd. E. cities.	gal.	.27 - —
rect., USP, bbls.	gal.	.60¼-
Tar acid (see T).		
Thyme, NF, red, cns.	lb.	2.50 - 3.50
white, cns.	lb.	2.65 - 4.00
Tung,[1] dms., c.l.	lb.	.39 - .39¼
l.c.l.	lb.	.39¼- .40
tanks	lb.	.38⅝- —
Turkey red (see Castor, sulphonated).		
Turpentine, rectified, USP, cns., dms.	lb.	.25 - —
Vetiver, Bourbon, bots.	lb.	27.00 -30.00
Oil, whale,[5] ref., natural, dms.	lb.	.1187 Nom.
winter, bleach, dms.	lb.	.1232 Nom.
Wheat germ, dms.	gal.	10.00 -13.50
White mineral, tech., 50-65 vis., dms., c.l.	gal.	.34 - —
l.c.l.	gal.	.40 - .43
65-75 vis., c.l.	gal.	.34 - —
l.c.l.	gal.	.40 - .43
USP, 80/90 vis., dms., extra, c.l.	gal.	.27 - —
l.c.l.	gal.	.42 - .46
95/105 vis., dms., c.l.	gal.	.41½- —
l.c.l.	gal.	.47½- .50⅛
125/135 vis., dms., c.l.	gal.	.46 - —
l.c.l.	gal.	.52 - .55
145/155 vis., dms., c.l.	gal.	.48 - —
l.c.l.	gal.	.54 - .57
175/185 vis., dms., c.l.	gal.	.51½- —
l.c.l.	gal.	.57½- .60⅛
200/210 vis., dms., c.l.	gal.	.54 - —
l.c.l.	gal.	.60 - .63
320/330 vis., c.l.	gal.	.60 - —
l.c.l.	gal.	.66 - .69
335/345 vis., dms., c.l.	gal.	.61 - —
l.c.l.	gal.	.67 - .70
San Francisco, 55, 70 and 85 vis., ret. iron drums, 65 dms.	gal.	.40 - —
64-1 dms.	gal.	.42 - .45
100 vis., 65 dms.	gal.	.49½- —
64-1 dms.	gal.	.51½- .54⅛
145 vis., 65 dms.	gal.	.57 - —
64-1 dms.	gal.	.59 - .62
180 vis., 65 dms.	gal.	.60⅛- —
64-1 dms.	gal.	.62½- .65⅛
340 vis., 65 dms.	gal.	.72 - —
64-1 dms.	gal.	.74 - .77
Wintergreen, nat., North, cns.,	lb.	6.50 - 8.50
South, cns.	lb.	4.00 - 4.25
synthetic (see Methyl salicylate).		
Wood (see Oil, chinawood).		
Wormseed,[1] cns.	lb.	5.00 - 5.15
Wormwood, cns.	lb.	4.85 - 5.50
Ylang-ylang, Bourbon, bots.	lb.	10.00 -10.50
Oleostearin,[3] dms., Chicago.	lb.	.1061- —

★ FLORANOL

A single chemical used in compounding Rose Odors. Blends with or replaces Phenyl Ethyl Alcohol.

Samples on Request.

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A single chemical having properties most desired by perfumers.

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ALDEHYDE C-16 **ALDEHYDE C-18**

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GENERAL DRUG COMPANY

125 Barclay St., New York 7, N. Y.

9 S. CLINTON STREET, CHICAGO 6 — 1019 ELLIOTT STREET, W. WINDSOR, ONT.

Olivine, aggregate, c.l., mines..ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., wks.ton. 8.00 - —
paper, bgs., c.l., works..ton. 9.50 - —
lumps, same basis.....ton. 7.00 - —
spalls, same basis.....ton. 5.00 - —
Opium gum, USP, cns., 50-lb. lots lb.13.00 - —
25-lb. lots.....lb.13.25 - —
smaller lots.....lb.13.50 -13.65
Prices on powd. and gran. USP opium are 1.50 per pound higher.
Orange, cadmium selenide, bbls., 100-lb. lots, works..lb. 1.50 - —
Dinitroanilin toner[1].....lb. 1.05 - —
Molybdate,[1,5] bbls.....lb. .41 - —
Orthonitroanilin toner,[1] bbls., works..lb. .80 - 1.05
kgs. .....lb. .80 - —
Persian.[1] bbls.....lb. .30 - .45
Orange mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .12½- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore and Colo., Mont., N. M., Wyo..lb. .12½- —
other points.....lb. .12 - —
Ala., etc.....lb. .12¾- —
Ariz., etc.....lb. .13¼- —
Colo., Mont., N. M., Wyo..lb. .13 - —
other points.....lb. .12½- —
Orange peel, bitter, Haitian, bgs., lb. .09 - .09½
sweet, bls.....lb. .16 - .20
Oregano, Mexican, curly leaf, bgs..lb. .08½- .09
flat leaf, bgs.....lb. .08¼- .08¾
Orris root, African, bls.....lb. .95 - —
powd., bbls., bxs.....lb. .90 - .95
Portuguese, bls.....lb. .65 - .70
Verona, bls.....lb. No stocks
Orthoamylphenol, dms., works..lb. .25 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloroanilin, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .25 - .27
Orthocresol,[2,6] 30.4° C. Min. M.P., dms., c.l., works..lb. .17½- .18
l.c.l., same basis.....lb. .18 - .18½
29.0° C. Min. M.P., dms., c.l., works..lb. .16½- .17
l.c.l., same basis.....lb. .17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies. lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06½- —
Orthodichlorobenzene prices west of Rockies lc. per lb. higher.
Orthonitroanilin, dms.....lb. .43 - .55
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns., lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .82 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange, crystals, bbls...lb. .23 - —
extract, No. 1, bbls.....lb. .11 - —
No. 2, bbls.....lb. .10 - —
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 3.50 - —
smaller lots.....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 3.00 - 3.25
Papaverine, natural, synthetic, hydrochloride, NF, cns., 100-oz. lots..oz. 7.00 - —
smaller lots.....oz. 7.05 - 7.35
sulphate, cns.....oz. 7.10 - 7.35
Paprika,[1] Calif., sweet Caliente, bgs..lb. .36 - .36½
Chilean, choice, bgs.....lb. .34 - .35
fair, bgs.....lb. .27½- .28
Portuguese, choice, bgs....lb. .41½- .42
extra fancy, bgs.....lb. .41 - .41½
good, bgs.....lb. .37 - .38
Spanish, fancy, bgs.....lb. .50 - .51
fair, bgs.....lb. No stocks
good, bgs.....lb. .48 - .49
Para-anisidin, dms., works.....lb. .75 - —
Parachlorophenol, dms., wks..lb. .26½- .28
Paracresol,[6] bbls., wks.....lb. .41 - —
Paracymene, dms., c.l., works..lb. .1595- —
l.c.l., same basis.....lb. .1645- —
tanks, same basis.....lb. .1545- —
Paradichlorobenzene,[4] dms., c.l., works..lb. .11 - .12
l.c.l., same basis.....lb. .12½- .13
Paraffin,[1] crude, scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery..lb. .04¼ —
Paraffin, fully ref'd, slabs, loose, 117-119 ASTM, c.l., refinery, lb. .05 - —
120-122 ASTM, same basis. lb. .0520- —
122-124 ASTM, same basis. lb. .0520- —
125-127 ASTM, same basis. lb. .0560- —
127-129 ASTM, same basis. lb. .0585- —
128-130 ASTM, same basis. lb. .0585- —
130-132 ASTM, same basis. lb. .0615- —
132-134 ASTM, same basis. lb. .0640- —
135-137 ASTM, same basis. lb. .0715- —
140-142 ASTM, same basis. lb. .0810- —
Paraffin, fully ref'd, slabs, loose, 146-148 ASTM, same basis. lb. .1050- —
Prices in bags 4/10c. per lb. higher than those for slabs loose.
Paraformaldehyde, [3,6] dms., 1,000 lbs. or more, works..lb. .21 - —
smaller lots works.....lb. .22 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., wks..lb. .12 - —
and 10-gal. dms., works..lb. .13 - —
USP, cns., cbys.....lb. .35 - .45
Paranitroanilin, kgs., works...lb. .43 - .45
Paranitrochlorobenzene, kgs., wks. lb. .15 - —
Paranitrophenol, kgs.....lb. .35 - —
Paranitrotoluene, kgs., works..lb. .30 - —
Paraphenylenediamine, tech., kgs. lb. 2.00 - —
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls., works.....lb. .48 - —
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld..lb. .20 - .27
l.c.l., same basis.....lb. .22 - .28
Passion flower herb, bls.....lb. .16 - .20
Patchouli leaves, bls.....lb. .34 - .35
Pectin, bbls.....lb. .85 - —
Penicillin, ampules, per 100,000 units. 1.54 - —
Pennyroyal leaves, bls.....lb. .16 - .18
Pentachlorophenol, dms., works. lb. .20 - .25
Pentaerythritol,[6] CP, bbls., dlvd. lb. .75 - —
less than barrel lots.....lb. 1.00 - —
tech., bbls., c.l.....lb. .29 - —
l.c.l .....lb. .33 - —
Tetra-acetate, bbls., dlvd.....lb. 1.00 - —
less than barrel lots.....lb. 1.50 - —
Pentane,[1] 28°-38° C, industrial grade, dms., c.l., Group 3. gal. .11 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .07½- .07½
laboratory grade, dms., c.l.gal. .16 - —
l.c.l. .....gal. .29 - —
10 gals.....gal. .55 - —
Pepper, black,[1] 15 tons, bgs...lb. .10 - —
50 to 100 bgs.....lb. .1050- —
4 to 24 bgs.....lb. .1100- —
red, Carolina, longs, new crop, bgs..lb. .32½ Nom.
sports, old crop, bgs...lb. .46 Nom.
Congo, bgs.....lb. .25 Nom.
Louisiana, sports, bgs.....lb. No stocks
longs, old crop, bgs....lb. No stocks.
Chillies, Mombassa, bgs...lb. .24¾ Nom.
Niger, fair, bgs.....lb. .23 Nom.
Sierra Leone, bgs.....lb. .22½ Nom.
Unganda, washed, bgs....lb. No stocks
white,[1] 15 tons, bgs.....lb. .1161 Nom.
24 bgs.....lb. .1295 Nom.
Peppermint, dom., USP, bls...lb. .70 - .75
import, bls.....lb. .90 Nom.
Perchloroethylene,[6] Zone 1, dms., c.l., works, frt. alld..lb. .0782- .0800
l.c.l., same basis.....lb. .0832- .0850
Zone 2, dms., c.l., works, frt. alld..lb. .0832- .0850
l.c.l., same basis.....lb. .0882- .0900
Zone 3, dms., c.l., works, frt. equald..lb. .0882- .0900
l.c.l., same basis.....lb. .0932- 0950
Zone 4, dms., c.l., f.o.b. stock point..lb. .0876- .0900
l.c.l., same basis.....lb. .0926- .0950
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S.C., S.D.; (3) Col., Mont. (E) N.M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Peru balsam, dms.....lb. 1.15 - 1.20
Petrolatum, tech., dark, bbls., Group 3, c.l..lb. .021 - —
golden Topaz, bbls., c.l....lb. .032 - —
l.c.l. .....lb. .036 - —
red, veterinarian, bbls., c.l.lb. .024 - —
l.c.l. .....lb. .028 - —
USP, amber, dms., c.l.....lb. .03¼- —
l.c.l. .....lb. .04½- —
extra amber, dms., c. l....lb. .03½- —
l.c.l. .....lb. .04½- —
cream, c.l., dms.....lb. .04¾- —
l.c.l. .....lb. .06¼- —
yellow, soft, dms., c.l.....lb. .03¼- —
l.c.l. .....lb. .04¼- —
white, lily, dms., c.l.....lb. .05½- —
l.c.l. .....lb. .07 - —
snow, c.l., dms.....lb. .06¼- —
l.c.l. .....lb. .07¾- —
soft, c.l., dms.....lb. .05¼- —
l.c.l. .....lb. .06¼- —
Deposit on ret. dms. $4.
Petrolatum prices dms. extra, ret.
Petroleum, crude, bulk, at wells, California, heavy grades..bbl. .93 - 1.01
Illinois .....bbl. 1.37 - —
Kentucky, Union County..bbl. 1.32 - 1.37
Louisiana-Arkansas .....bbl. .86 - 1.20
Oklahoma-Kansas .....bbl. .85 - 1.25
Pennsylvania .....bbl. 1.31 - 3.00
Texas, Gulf Coast.....bbl. 1.06 - 1.86
North, North-Central.....bbl. 1.01 - 1.25
West .....bbl. .70 - 1.12
Panhandle .....bbl. 1.10 - 1.22
Savannah, Ga.....bbl. 1.60 - 1.77
Wyoming .....bbl. 1.12 - —
Ether, laboratory grade, 30-60° C., dms., c.l., Group 3..gal. .16 - —
l.c.l. .....gal. .29 - —
10 gals.....gal. .55 - —
35-60° C., dms., c.l.....gal. .29 - —
10 gals.....gal. .55 - —
40-75° C., dms., c.l.....gal. .16 - —
l.c.l. .....gal. .29 - —
10 gals.....gal. .55 - —
Fuel oil, furnace, tanks, at refinery:—
Arkansas, No. 1.....gal. .04 - —
Nos. 2 and 3.....gal. .03½- —
California, heavy...bbl. 1.10 - —
light .....bbl. 1.20 - —
diesel .....gal. .04 - —
stove dist.....gal. .05 - —
Group 3, No. 2.....gal. .03½- —
Group 3, No. 5....bbl. .85 - —
No. 6.....bbl. .80 - .85
Kansas, No. 6.....bbl. .85 - .90
Oklahoma, No. 2....gal. .03¾- —
No. 6.....bbl. .90 - —
14-16 .....bbl. .97 - —
Pennsylvania, No. 1.gal. .07 - .07¾
No. 2.....gal. .07 - .0805
No. 3.....gal. .06¾- .07¾
36-40 gravity.....gal. .07 - .07¾
bunker C, Albany, N. Y..bbl. 1.97 - —
Baltimore, Md.....bbl. 1.77 - —
Boston, Mass.....bbl. 1.77 - —
Charleston, S. C.....bbl. 1.72 - —
Jacksonville, Fla.....bbl. 1.72 - —
New Haven, Conn....bbl. 1.77 - —
New York, N. Y.....bbl. 1.77 - —
New Orleans, La.....bbl. .97 - —
Norfolk, Va.....bbl. 1.77 - —
Philadelphia, Pa.....bbl. 1.77 - —
Portland, Me.....bbl. 1.77 - —
Port Tampa, Fla.....bbl. 1.62 - —
Providence, R. I.....bbl. 1.77 - —
Savannah, Ga.....bbl. 1.72 - —
Lacquer diluent, at refinery:—
California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles. gal. .11 - —
Fort Wells, Wash.....gal. .12 - —
San Francisco.....gal. .11½- —
Willbridge, Ore.....gal. .12 - —
East Coast, N. J., N. Y., tanks..gal. .11½- —

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The Demand for Emery Fatty Acids is unprecedented. We like to believe this is due in part to our effort to build through the years a reputation for stability and laboratory-controlled quality.

Despite our efforts to hold production to a maximum, we cannot meet all demands for some products as quickly as we should like . . . more critical war demands come first. Nevertheless, we hope you will not forego the advantage of our long experience in meeting seemingly impossible specifications just because you may feel we cannot arrange delivery.

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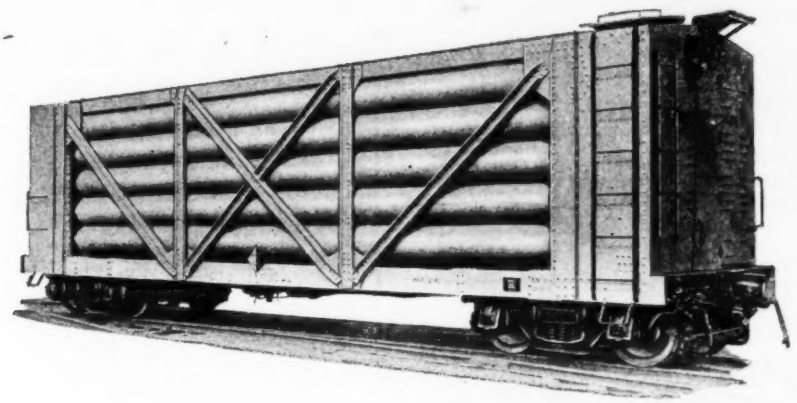
NEW ENGLAND OFFICE: 187 Perry Street, Lowell, Mass.
PHILADELPHIA OFFICE: 401 N. Broad Street, Philadelphia 8, Pa.

Petroleum, lacquer diluent, at ref'y, Grocp 3, benzol type, tanks	gal.	.07⅞- —
toluol type, tanks	gal.	.07⅞- .07⅛
Mineral spirits, at refinery, California (f.o.b. San Francisco), 163-252 b.r., tanks	gal.	.10¼- —
198-200 b.r., tanks	gal.	.10¼- —
246-397 b.r., tanks	gal.	.10¼- —
312-408 b.r., tanks	gal.	.09 - —
362-458 b.r., tanks	gal.	.09 - —
East Coast, N.J., N.Y.	gal.	.10 - —
Group 3, tanks	gal.	.06½- —
tankwagon, Baltimore	gal.	.135 - —
Boston	gal.	.12 - —
Bridgeport, Conn.	gal.	.1430- —
Buffalo	gal.	.1240- —
Camden, N. J.	gal.	.11 - —
Chicago	gal.	.1150- —
Detroit	gal.	.1380- —
Hartford	gal.	.1430- —
Kansas City, Mo.	gal.	.1280- —
Lancaster, Pa.	gal.	.12 - —
Milwaukee	gal.	.1240- —
Minneapolis	gal.	.1220- —
Newark	gal.	.11 - —
New York	gal.	.11 - —
Philadelphia	gal.	.11 - —
Pittsburgh	gal.	.125 - —
Providence	gal.	.13 - —
Rochester	gal.	.1320- —
St. Louis	gal.	.1370- —
Syracuse	gal.	.14 - —
Washington, D. C.	gal.	.135 - —
Wilmington, Del.	gal.	.11 - —
Naphtha, cleaners, at refinery:— California (f.o.b. San Francisco), tanks	gal.	.12 - —
East Coast, N. J., N. Y., tanks	gal.	.11 - —
Group 3, tanks	gal.	.07½- —
tankwagon, Newark	gal.	.12 - —
Bridgeport	gal.	.1730- —
Chicago	gal.	.1380- —
Detroit	gal.	.15 - —
Milwaukee	gal.	.1440- —
Minneapolis	gal.	.1420- —
New York	gal.	.12 - —
Philadelphia	gal.	.125 - —
St. Louis	gal.	.1470- —
high-solvency, No. 1, over 76% arom., tanks, Bayway, N. J.	gal.	.21½- —
No. 2, over 90% arom., same basis	gal.	.21½- —
No. 3, same basis	gal.	.22½- —
No. 8, tanks, same basis	gal.	.228 - —
No. 30, tanks, f.o.b. Kingsland, N. J., frt. alld.	gal.	.223 - —
No. 40, tanks, Wilmington, Cal.	gal.	.13½- —
V.M.&P. at refinery:— California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo	gal.	.11 - —
Richmond	gal.	.11½- —
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12 - —
54-77, 190 l.p.b., 310 e.p., Los Angeles	gal.	.10 - —
San Francisco	gal.	.10½- —
Portland, Seattle	gal.	.11 - —
Group 3, tanks	lb.	.07½- —
Gulf Coast (dlvd. New Orleans), tanks	gal.	.06½- —
tankwagon, Boston	gal.	.13 - —
Chicago	gal.	.1380- —
Detroit	gal.	.15 - —
Milwaukee	gal.	.1540- —
Minneapolis	gal.	.1520- —
Newark (200 gals.)	gal.	.125 - —
New York	gal.	.12 - —
Philadelphia	gal.	.125 - —
Pittsburgh	gal.	.12½- —
St. Louis	gal.	.1470- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco)	gal.	.25½- —
East Coast, N. J., N. Y., tanks	gal.	.11 - —
Group 3, tanks	gal.	.07¼- .07⅛
Stoddard (CS 8-33), at refinery:— California (f.o.b. San Francisco), tanks	gal.	.11 - —
East Coast, N. J., N. Y., tanks	gal.	.10 - —
Group 3, tanks	gal.	.06⅝- —
Pennsylvania, western, tanks	gal.	.07¼- .07⅛
tankwagon, Baltimore	gal.	.13 - —
Boston	gal.	.12 - —
Chicago	gal.	.13½- —
Detroit	gal.	.1580- —
Milwaukee	gal.	.1440- —
Minneapolis	gal.	.1420- —
Newark	gal.	.11 - —
New York	gal.	.11 - —
Philadelphia	gal.	.11 - —
Pittsburgh	gal.	.12½- —
St. Louis	gal.	.1370- —
Syracuse	gal.	.14 - —
Petroleum xylol solvent. See Xylol petroleum solvent.		
Phenobarbital, 5-lb. cns.	lb.	3.60 - 3.70
dms., 100 lbs.	lb.	3.50 - —
Phenol,[3,4] 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald.	lb.	.10 - —
l.c.l., same basis	lb.	.10¾- —
tanks, same basis	lb.	.09 - —
82-84% (cresol, 16-18%), dms., c.l., same basis	lb.	.09¾- .10¼
l.c.l., same basis	lb.	.10½- .10¾
tanks, same basis	lb.	.08¾- .09¼
USP, dms., c.l., same basis	lb.	.10½- —
l.c.l., same basis	lb.	.11¼- —
tanks, same basis	lb.	.09½- —
Phenolphthalein, USP, bbls., dms., 2,000 lbs.	lb.	.85 - —
smaller lots	lb.	.87 - .92
yellow, fib. dms., 2,000 lbs.	lb.	.80 - —
smaller lots	lb.	.82 - .87
Phenothiazin, NF, fib. dms., 2,000-lb. shipt.	lb.	.49 - —
smaller lots, same basis	lb.	.54 - —
Phenylacetaldehyde, 50% solut., bots.	lb.	2.45 - 3.00
100% solut., bots.	lb.	4.40 - 5.00
Phenylethyl acetate, cns.	lb.	4.00 - 4.25
Phenylethylphenyl acetate, bots.	lb.	5.50 - 7.90
Phenylhydrazin, base, CP, bots.	lb.	4.55 - —
Hydrochloride, CP, bots., works.	lb.	7.10 - —
commercial, kgs., works	lb.	1.75 - —
Phloroglucinol, CP, fib. dms.	lb.	13.75 -14.75
tech., fib. dms.	lb.	12.00 -12.50
Phosgene, ton lots, works	lb.	.19 - —
Phosphate, defluorinated (see under D).		
Phosphate rock,[1,2] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% b.p.l., MPR 240, bulk, ar at mine, c.l.	long ton.	2.20 - —
70%-68% b.p.l., MPR 240 same basis	long ton.	2.60 - —
72%-70% b.p.l., MPR 240 same basis	long ton.	3.20 - —
75%-74% b.p.l., MPR 240, same basis	long ton.	4.20 - —
77%-76% b.p.l., MPR 240, same basis	long ton.	5.20 - —
entirely pebble 50c. per ton higher than above prices.		
finely ground, 65.5%, MPR 240, 30% P_2O_5 minimum,	short ton.	2.90 - —
68%, basis 31% P_2O_5 minimum	short ton.	3.10 - —
70%, basis 32% P_2O_5 minimum	short ton.	3.45 - —
Phosphate rock, Tenn., brown, unground, run-of-mine, 70%-68% p.b.l., 5% l. & a., MPR 240, same basis	long ton.	5.10 - —
72%-70% b.p.l., 5½% l. & a., MPR 240, same basis	long ton.	5.60 - —
refinery ground, 29% P_2O_5, same basis	long ton.	4.75 - —
30%, P_2O_5, same basis	long ton.	4.95 - —
31%, P_2O_5, same basis	short ton.	5.05 - —
32%, P_2O_5, same basis	short ton.	5.30 - —
33%, P_2O_5, same basis	short ton.	5.80 - —
Phosphorus,[6] red, amorphous, cs.,	lb.	.40 - .44
tins, export	lb.	.55 - —
yellow,[6] cns.	lb.	.23 - .25
dms.	lb.	.25 - —
Oxychloride,[6] cyls.	lb.	.15 - .18
Pentoxide,[5] dms., c.l., wks.	lb.	.11 - .12
l.c.l., works	lb.	.13 - .14
Sesquisulphide,[6] cs.	lb.	.38 - .42
Trichloride,[6] cyls.	lb.	.15 - .16
Phthalamide, bbls., works	lb.	.35 - .40
kgs., works	lb.	.45 - .50
Phthalic anhydride,[6] bgs., bbls., c.l., works, frt. alld. E. of Denver	lb.	.13 - —
l.c.l., same basis	lb.	.14 - —
Pichi leaves, bgs.	lb.	.07 - .08
Picoline (see Alphapicoline and Betapicoline).		
Picrotoxin, bots.	oz.	8.00 - —
Pilocarpine hydrochloride, USP, bots., vls.	oz.	3.75 - 5.10
Nitrate, bots., vls.	oz.	3.65 - 5.00
Pimento,[1] Jamaica, bgs.	lb.	.22 - .22½
Pinetar, retort, dms. incl., c.l., works	gal.	.31 - —
l.c.l., works, dms. incl.	gal.	.32&- —
tanks, dlvd. E.	gal.	.27 - —
Pinkroot, bls.	lb.	1.85 - 1.90
Piperazine hexahydrate, bots.	lb.	16.00 - —
Pitch, burgundy (see B).		
Coaltar,[2] 160° m.p., bbls., c.l., works	ton.	19.00 - —
l.c.l., works	ton.	22.00 - —
Cottonseed, dms., works	lb.	.04 - .06
Hardwood, paper bgs., works	lb.	.03½- —
Linseed, dms.	lb.	.05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).		
Pine, dms	100 lbs.	3.25 - —
stands, 200 lbs.	stand.	6.00 - —
Soybean, dms., works	lb.	.04 - .06
Plaster of paris (see Gypsum).		
Podophyllin	dms.	8.75 - 9.00
Pokeroot, bls.	lb.	.11 - .12
Pomegranate, root bark, bgs.	lb.	.80 - .85
Poppy flowers, bls.	lb.	.60 - .70
Seed, Canadian, bgs.	lb.	No stocks
domestic, blue, bgs.	lb.	No stocks
Dutch, bgs.	lb.	No stocks
Indian, white, bgs.	lb.	No stocks
Turkish, futures, bgs.	lb.	.33 - .33½
Potash abietate	lb.	.08 - —
Acetate, USP, bbls., dms.	lb.	.28 - .30
cns.	lb.	.31 - .33
Arsenite,[6] USP, solut., cbys., djns.	lb.	.13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms.	lb.	.19 - .21
Bichromate,[1,6] bgs., c.l., works.	lb.	.10 - —
l.c.l., works	lb.	.10½- .10¾
Potash bichromate in bbls. ½c. higher.		
Bromide, USP, gran., 500-lb. bbls., dms.	lb.	.25 - —
100-lb. kgs.	lb.	.26 - —
Carbonate,[6] cal., bbls., c.l., works	lb.	.06½- —
l.c.l., same basis	lb.	.06¾- —
hydrated,[6] 83-85%, bbls., c.l., works	lb.	.05½- —
dms., l.c.l., same basis	lb.	.05¾- —
USP, gran., bbls., dms.	lb.	.14 - .20
powd., bbls., dms.	lb.	.19 - .21
Potash, caustic, low-chloride, 90% basis, flake, dms., c.l., works	100 lbs.	9.31 - —
l.c.l., works	100 lbs.	9.68½- —
liquid, dms., c.l., works	100 lbs.	8.56 - —
l.c.l., works	100 lbs.	8.68½- —
tanks, works	100 lbs.	8.06 - —
solid, dms., c.l., works	100 lbs.	8.56 - —
l.c.l., works	100 lbs.	8.93½- —
regular, flake, 88-92%, dms., c.l., works	lb.	.07 - —
l.c.l., works	lb.	.07¼- .07⅛
liquid, 45% basis, dms., c.l., works, frt. alld.	lb.	.03½- —
l.c.l., same basis	lb.	.03¾- .08½
tanks, same basis	lb.	.02⅞- —
solid, 88-92%, dms., c.l., works	lb.	.06¼- —
l.c.l.	lb.	.06½- .06¾
Chromate,[6] bgs.	lb.	.24 - .28
Chlorate,[6] cryst., kgs., c.l., wks.	lb.	.11 - .11¾
l.c.l., works	lb.	.119 - .13
powd., dms., kgs., c.l., works.	lb.	.09¾- .11¾
l.c.l., works	lb.	.119 - .13
export, 1 to 10 tons, kgs., ex whse.	lb.	.16 - .18
Chloride, tech., cryst., 98%, bgs., kgs.	lb.	08 Nom.
Citrate, USP, gran., bbls., dms.,	lb.	.33½- .38½
powd., 3c. per lb. higher.		
Cyanide,[6] dms., works	lb.	.55 - —
Fluoride, bbls.	lb.	.34 - .40
Glycerophosphate, 75% sol., cns., cbys.	lb.	1.65 - 1.67
dms., 1,000-lb. lots	lb.	1.50 - —
100-lb. lots	lb.	1.60 - —
Guaiacolsulphonate, NF, dms.	lb.	1.65 - 1.85
Hydroxide, USP, sticks, dms.	lb.	.34 - .36
Hypophosphite, cns.	lb.	.72 - .75
Iodate, bots., 5 lbs.	lb.	3.46 - —
cns., 25 lbs.	lb.	3.35 - —



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Potash, iodide, bots., cns.....lb. 1.44 - 1.48
dms. .....lb. 1.35 - 1.38
Manure salt, dom.,[6] 22% K_2O, f.o.b. Carlsbad, N. M..... unit-ton. .20 - —
25% K_2O, same basis..... unit-ton. .21 - —
Metabisulphite, gran., bbls..lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom.,[6] 60-62-63% K_2O, bulk, ex vessel, ports .... unit-ton. .53½- —
granular, 50-52% K_2O..... unit-ton. .53½- —
Russian,[5] future shipt., subject to safe arrival.unit-ton. .53¼- —

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific Coast ports.

Nitrate (see Saltpeter).
Oxalate, neutral, pure, gran., bbls., dms..lb. .37 - .50
tech., fine gran., bbls., dms. lb. .28 - .31
Perchlorate,[6] kgs., works....lb. .09¾- .11
Permanganate, tech., dms., wks. lb. .19¾- .20¼
USP, dms., works.....lb. .20½- .21
Persulphate, dms., c.l., wks.lb. .16 - —
l.c.l., same basis.....lb. .20 - —
Prussiate, red, kgs.....lb. .50 - .53
Yellow, bbls.....lb. .16 - .17
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, glass, bgs., c.l., works. ton.200.00 - —
l.c.l. .....100 lbs.15.25 - —

Potash silicate, solution, 29° Be, ret. drums, c.l., works.. 100 lbs. 4.25 - —
l.c.l., 5 or more, works. 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., wks. 100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, NF, gran.....lb. .14 - .20
powd., bbls.....lb. .15 - 21
tech., dom., bulk,[6] basis 90-95% K_2SO_4, min., 90% ex vessel, Alt. or Gulf ports.. ton.26.25 - —
Sulphocyanide, NF, dms.....lb. .70 - .78
Xanthate, dms., c.l.....lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works..oz.14.20 -14.95
Potash-magnesia sulphate, bulk,[6] min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports...ton.26.00 - —
Potash-soda ferricyanide, kgs., works..lb. .40 - .43
Potash-titanium oxalate, bbls., dms..lb. .45 - .50
Prickly ash bark, bls.....lb. .23 - .25
Berries, bgs.....lb. .20 - .21
Prince's pine herb, bls.....lb. .65 - .70
Procaine hydrochloride, cns., 100-lb. lots..lb. 3.75 - —
smaller lots.....lb. 4.25 - 4.75
Propane,[1] industrial grade, tanks, Group 3..gal. .03¾- —
Propyleneglycol,[6] dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .65 - .66

Pumice, grd., fine, bgs., ton lots. lb. .03¾- —
smaller lots.....lb. .03¾- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots.....lb. .03¾- .04¼
Chi., ton lots.....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs.....lb. .38 - .40
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum, [1,6] concentrate, dewaxed, 20% for aerosol bombs, bbls., works....gal. 9.25 - 9.50
liquid (20 to 1), basis 2 grams pyrethrins per 100 cc., bbls., works..gal. 7.15 - —
(30 to 1), basis 3 grams pyrethrins per 100 cc., bbls., works..gal.10.65 - —
flowers, coarse-grd., 0.9% pyrethrins, bbls., works..lb. .31½- —
fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —
Pyridin,[6] denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2°, ret. dms., same basis. lb. .45 - .45½
Pyrites, Spanish, c.l.f. Atl. ports. long ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyronate, dms., works.....gal. .75 - 1.25
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines..ton.10.00 -11.50
325 mesh, same basis....ton.13.00 -13.90
No. 3, 200 mesh, c.l., mines..ton. 9.50 - —
325 mesh, same basis.....ton.11.50 - —
Pyrophyllite in paper bags, $1.50 per ton extra.

Pyroxylin, transparent, cs., wks. lb. .19 - —
black, cs., works.....lb. .17 - —
China, white, ivory, cs., works..lb. .17 - —
dense, white, cs., works..lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottled, cs., works. lb. .14 - —
translucent pastels, cs., wks. lb. .17 - —
transparent, cs., works....lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works..lb. .17 - —
mixed colors, cs., works...lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .08 - .09
Quebracho extract,[1,6] solid, 63%, bgs., c.l., ex dock, in bond, based on ocean freight, $12; insurance $1 per ton. Any difference for buyers account..lb. .05%- .05%
clarified, 64%, bgs., c.l., same basis..lb. .06½- .06¾
dissolved, 35% tan., bbls., works..lb. .04575- .0595
tanks, works.....lb. .04075- —
ground, 70%, bgs., c.l.....lb. .089 - —
l.c.l., bgs.....lb. .0915- —
Queen of the meadow root, bgs. lb. .11 - .13
Quercitron, crystals, bbls.....lb. .26 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .18½- —
Quicksilver,[1] flasks (76 lbs. net) flask.158.00 - 160.00
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine,[6] NF V, cryst., cns.oz. 1.06 + 13½* powd., precip., cns.....oz. 1.01 + .13½ Sulphate, USP, cns.....oz. .71 + .13½

* Surcharge of 13½c. per oz.; see note under Quinine.

Quinine,[6] NF, cns., 100 ozs...oz. .84 + 13½* Acetate, cns., 100 ozs.....oz. 1.05 + .13½ Arsenate, cns., 100 ozs.....oz. 1.05 + .13½ Arsenite, cns., 100 ozs.....oz. 1.07 + .13½ Bisulphate, USP, cns., 100 ozs. oz. .60 + .13½ Citrate, cns., 100 ozs.....oz. .78 + .13½ Dihydrobromide, bots., 50 ozs.. oz. .86 + .13½ Ethylcarbonate, USP, cns., 100 ozs..oz. 1.25 + .13½ Ferrocyanide, cns.. 100 ozs...oz. 1.07 + .13½ Formate, cns., 100 ozs.....oz. 1.00 + .13½ Glycerophosphate, cns., 100 ozs. oz. 1.20 + .13½ Hydrochloride, USP, cns., 100 ozs..oz. .76 + .13½ Hydrochlorosulphate, cns., 100 ozs..oz. .81 + .13½ Hydriodide, cns., 100 ozs...oz. 1.05 + .13½ Hyposulphite, cns., 100 ozs., oz. 1.07 + .13½ Phosphate, NF, cns., 100 ozs.. oz. .90 + .13½ Salicylate, NF, cns., 100 ozs.oz. .79 + .13½ Sulphate, USP, cns., 100 ozs.oz. .67 + .13½ Sulphocarbolate, cns., 100 ozs.oz. 1.05 + .13½ Tannate, USP X, cns., 100 ozs., oz. .63 + .13½ Tartrate, cns., 100 ozs.....oz. 1.03 + .13½ Valerate, NF IV, 100 ozs....oz. .99 + .13½

* Surcharge to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Change in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride,[6] USP, cns..oz. .81 + .13½*
Surcharge:—See note under Quinine.
Quinoline, dms., c.l., works...lb. .24½- .50

R

R salt, dry, bbls.....lb. .85 - —
paste, dms.....lb. .52 - —
Raspberries, dried, bls.....lb. 1.20 - 1.25
Red, alizarin lake,[3] bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.

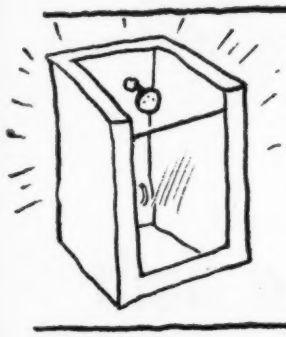
Cadmium lithopone, deep shade, bbls., E. Rockies..lb. 1.00 - —
light shade, bbls., same basis..lb. .85 - —
medium shades, bbls., same basis..lb. .30 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher.
Selenide, dark, bbls., works, lb. 2.50 - —
light, same basis.....lb. 2.20 - —
Orange (see Orange).
Carmine, 40 dms., 100-lb. lots, works..lb. 4.60 - —
smaller lots, same basis..lb. 4.75 - 5.25
Crocus Martis (see Red, purple ixide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works....lb. 1.35 - —
Firetoner, dom., bbls.. works.lb. .85 - —
Indian, dom., pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis.lb. .09¾- —
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls.....lb. .09 - .09¾
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .085 - .096
Lacquer, maroon, bbls., works. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - —
Lithol toner, alizarin, lake, bbls., works..lb. .60 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works....lb. .25 - .28
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake 25%, kgs., works..lb. .40 - —
Cadmium, bbls., works....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb. higher.
Mercury oxide,[3] tech., bbls., 10,000 lbs., works..lb. 2.73 - —
smaller lots, works.....lb. 2.75 - —
Metallic, bbls., works.....lb .92 - —
Oxide (see Red, iron oxide).

ALLYL-ALCOHOL

$CH_2 = CH - CH_2OH$

Molecular Weight 58.05

Dozens of products, from radar domes to more colorful wall panelings, will benefit from the availability of allyl alcohol. Commercial scale production of this base chemical is new. Perhaps you have a problem it can help to solve.



For low-pressure laminating allyl alcohol provides esters that form required resins. Laminates of cloth, with the strength characteristics of metal, can now be made.

Casting of clear sheets in any desired shape is one of the many end-uses where allyl alcohol plays an important part.

As raw material for colorless enamel bases, allyl alcohol opens the door to harmonizing colors for refrigerators, stoves and the deep-freeze units of postwar.

Inquiries about allyl alcohol are invited from plants with problems. We may be able to widen your horizons.

SPECIFICATIONS

Purity . . . . Minimum 98% allyl alcohol by weight (Impurities are largely diallyl ether and water)

Specific Gravity 20°/20° C. . . . . 0.852 to 0.855

Color . . . . . Maximum 25 platinum cobalt (Hazen) standard

Water . . . . . Maximum 0.5%

Distillation Range (A.S.T.M. D268/33) . . Below 94° C. None
Above 99° C. None
At least 90% distills between 95° C. and 98° C.

Water Solubility . . Completely miscible with 1-19 volumes distilled water

Weight . . . . . 7.11 lbs. per gallon at 20° C. (approx.)

PHYSICAL PROPERTIES

Several of the physical properties of allyl alcohol are given in the following table:

Specific Gravity at 20°/4° C. 0.8520

Boiling Point at 760 mm. . . . . 96.9° C.

Melting Point . . . . . −129° C.

Flash Point, Tag Open Cup . . . . . 85° F.
Tag Closed Cup . . . . . 72° F.

Vapor Pressure at 0° C. 4.2
10° C. 8.8
20° C. 17.3
30° C. 32.4

Specific Heat . . . . . 0.665 (20° −95° C.)

Refractive Index, N_D^{20} 1.4135

Coefficient of Expansion . . . . 0.000572 per °F.

Latent Heat of Vaporization . 163.8 gm. cal. per gm. (at boiling point)

Heat of Combustion . . . 7,620 gm. cal. per gm.

Lower Limit of Inflammability . . . 3.0 volume %

Azeotropic Data. Allyl alcohol forms a constant boiling mixture with water at 88.6° C., containing 72.3% by weight of compound.

For further properties and uses communicate with either of the addresses below.

SHELL CHEMICAL Division of SHELL UNION OIL CORPORATION
100 BUSH ST., SAN FRANCISCO 6, CALIFORNIA
R. W. GREEFF & CO. Eastern Sales Agent 10 ROCKEFELLER PLAZA, NEW YORK 20. TRIBUNE TOWER, CHICAGO 11

OPD—4-16-1945 29

Sulphuric Acid

The tremendous increase in the use of concentrated sulphuric acid as a catalyst or dehydrating agent in industrial processes has created numerous disposal problems for the spent acid. Frequently 95 to 98% of the acid purchased is purged from the process as a spent product. These spent acids vary widely from high quality materials to low acidity materials.

CONSOLIDATED CHEMICAL INDUSTRIES INC., recognizes its responsibility to find ways and means of disposing of spent sulphuric acid. The solution of this problem is a challenge that offers many opportunities for service to industry.

Industries that require a large tonnage of low cost acid should give careful thought to locating post war projects in the Gulf Coast area where this type of acid is available in great quantity. Write us for information concerning the strengths and grades of spent acid that are available. We are daily processing hundreds of tons of spent acid and will be pleased to assist you.

CONSOLIDATED CHEMICAL INDUSTRIES INC.

PLANT LOCATIONS

San Francisco, Cal.; Woburn, Mass.;
Baton Rouge, La.; Bastrop, La.;
Fort Worth, Texas; Houston, Texas;
Little Rock, Ark.; Buenos Aires, Argentina.

SALES OFFICES

Houston, Texas; New York, N. Y.;
San Francisco, Cal.

CCI Products

Red, para[8] toner, concent., alizarin lake, kgs., works..lb. .70 - —
Persian (see Orange).
Phloxin toner (see Red, eosin toner).
Phosphotungstic rhodamine, Y, kgs., works..lb. 4.15 - —
Purple lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works.lb. .55 Nom.
alizarin lake, kgs., works..lb. .35 - —
Spanish oxide, grade 1, c.l., bbls..lb. .04¾- .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
MNPT maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., works..lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermillion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.75 - 2.88
Red precipitate,[2] NF, powd., fib. dms..lb. 2.90 - 2.92
Red saunders wood, grd., bbls.lb. .35 - —
Resorcinol, tech., dms., frt. alld. E. of Miss..lb .68 - .71
USP, cryst., dms., frt. alld. E of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .16 - .17
Rhubarb, whole, cs.....lb. .45 - .50
powd., bbls.....lb. .50 - .55
Riboflavin, bots.....kilo.200.00 - —
Rice bran concentrate, dms., Cedartown, Ga. or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43½- —
smaller lots.....lb. .44 - .47
powd., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .43 - .46
Rose flowers, pale, bls.....lb. 45 - 50
Rosemary flowers, bls.....lb. 1.45 - 1.50
Leaves, Portuguese, bls.....lb. .11 - .11½
Spanish, bls.....lb. .13¾- .14½
Rosin, gum,[4,5]:—
B, dms., c.l.....100 lbs. 5.90 - —
D, dms., c.l.....100 lbs. 5.97 - —
E, dms., c.l.....100 lbs. 6.50 - —
F, dms., c.l.....100 lbs. 6.60 - —
G, dms., c.l.....100 lbs. 6.64 - —
H, dms., c.l.....100 lbs. 6.66 - —
I, dms., c.l.....100 lbs. 6.66 - —
K, dms., c.l.....100 lbs. 6.70 - —
M, dms., c.l.....100 lbs. 6.72 - —
N, dms., c.l.....100 lbs. 6.88 - —
W.G., dms., c.l.....100 lbs. 7.18 - —
W.W., dms., c.l.....100 lbs. 7.40 - —
X, dms., c.l.....100 lbs. 7.40 - —
Wood, F.F.,[1,5] dms., c.l.....100 lbs. 4.32½- 4.35
l.c.l. .....100 lbs. 4.62½- 4.65
Rotenone,[1,6] bbls., works.....lb.10.90 -13.50
extract, liq., dms., works.....per unit. 1.05 - —
powder (see Cube root).
Rottenstone, bgs., c.l., mines.ton.25.50 - —
l.c.l., mines.....ton.37.50 - —
Rue, bls.....lb. .70 - .76

S

Sabadilla seed, powd., bbls....lb. .32 Nom.
Saccharin,[1] soluble and insoluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots.....lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. 1.20 - 1.30
Spanish, tins.....lb.41.00 -42.00
Safrol, cns.....lb. 1.10 - 1.25
Sage,[1] Calif., leucophylla, bgs., Pacific coast..lb. .35 - .40
Cyprus, good, bls.....lb. .21 - .21½
fair, bls.....lb. .15½- .16
Greek type, fair, bls.....lb. No stocks
good, bls.....lb. No stocks
Palestine, bls.....lb. .16 - .16½
Spanish, bls.....lb. .25 - .25½
Sago flour, bgs.....lb. .05 - .05¾
Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Saligenin, dms.....lb.15.00 -20.00
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms.....lb. .92 - .93
powder, 10c. per lb. higher.
Salt, rock, bgs., c.l.....ton.14.20 - —
l.c.l., bgs.....ton.17.20 -18.00
vacuum, common, fine, bgs., c.l..ton.15.70 - —
l.c.l. .....ton.19.60 -23.20
Saltcake, dom., bulk, works.ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref. gran., bbls., 10 tons..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 8.60
powd., bbls., 10-20 tons....100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., cns.....kilo.190.00 -200.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, Amer., bls..lb. .35 - .37
Honduras, bls.....lb. .45 - .50
Mexican, bls.....lb. .23 - .24
Sassafras bark, ord., bls.....lb. .40 - .45
select, bls.....lb. .60 - .65
Savory, Spanish, bls.....lb. .23 - .24
dom., bls., Calif.....lb. .82 - .83
Saw palmetto berries, bgs.....lb. .20 - .21
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .08 - .10
Schaeffer's salt, bgs.....lb .46 - —
Scullcap, Eastern, bls.....lb. No stocks
Seidlitz mixture bbls., 5,000 lbs., 1 shipment..lb. .33¾- —
smaller lots.....lb. .34¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .34¼- —
smaller lots.....lb .34¾- —
Selenium, pwd., cns., 10 lbs..lb. 1.85 - —
cs., 1,000 lbs.....lb. 1.75 - —
Senega root, lbs.....lb. 1.10 - 1.15
Senna, Alex., half-leaf, bls....lb. .19 - .22
siftings, bgs.....lb. .18 - .19
Tinnevelly, No. 1, bls.....lb. .16 - .16½
2, bls.....lb. .11½- .12
3, bls.....lb. .10 - .10¾
powd., bbls., bgs.....lb. .15 - .17
Pods, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. 1.40 - 1.50
Sesame seed,[1] Chinese, hulled, bgs..lb. .13½- .14
Indian, hulled, recleaned, bgs. lb. No stocks
natural, bgs.....lb. .11 Nom.
Shellac, bleached, bonedry, bbls., 1,000-lb. lots..lb. .42½- —
Boston .....lb. .43½- —
Chicago .....lb. .44 - —
Pacific coast.....lb. .46 - —
refined, bbls., 1,500-lb. lots, lb. .48½- —
Boston .....lb. .49½- —
Chicago .....lb. .50 - —
Pacific coast.....lb. .52 - —
Bonedry shellac sales of less than 1,500 lbs., at following additions to maximum prices:—(1) packed in bgs., ¾c. per lb., (2), bbls., 1c. more; (3) kgs., 3c. more.
D.C., V.S.O., Diamond I, 100 bgs..lb. .4660- —
Garnet, 100 bgs.....lb. .3890- —
Superfine, 100 bgs., Boston, N. Y..lb. .3660- —
Chicago .....lb. .3710- —
Pacific coast.....lb. .3960- —
TN, 100 bgs., Boston, N. Y..lb. .3550- —
Chicago .....lb. .3600- —
Pacific coast.....lb. .3805- —
Shellac in cs., 2c. higher. Shellac sales, 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c more.
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works..ton.17.00 - —
l.c.l., same basis....ton.20.00 - —
400 mesh, bgs., c.l., same basis..ton.18.00 - —
l.c.l., same basis....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., same basis..ton.18.00 - —
l.c.l., same basis....ton.21.00 - —
400 mesh, bgs., c.l., same basis..ton.30.60 - —
l.c.l., same basis....ton.35.00 -38.00
96-98%, 325 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis....ton.22.00 -25.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., same basis..ton.15.50 - —
l.c.l., same basis....ton.18.50 - —
140 mesh, bgs., c.l., same basis..ton.11.00 - —
l.c.l., same basis....ton.16.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .18½- .27
Silver bullion.....oz. .44¾- —
Cyanide, cns., 100 ozs.....oz. .41½- —
Nitrate, 100-oz. bots.....oz. .32¾- —
Silver nucleinate, USP, bots., dms..oz. .308 - .358
Proteinate, USP, bots., dms.. oz. .288 - .338
Simarubra bark, bls.....lb. .52 - .55
Skunk cabbage root, bls.....lb. .40 - .45
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .40 - .41
Smalt, black, ctns.....lb. .05 - .06
Blue, ctns.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .80 - .85
Soapbark, bls.....lb. .11¾- .12¼
crushed, bls., bbls.....lb. .13 - .14
cut, dom., bls., bbls.....lb. .16 - .19
imp., bbls.....lb. .18 - .19
powd., bbls.....lb. .16 - .17
Soda acetate, anhyd., dms., dlvd. lb. .08½- .10
NF, cryst., bbls., kgs.....lb .14 - .16
tech., 60%, l.c.l., dlvd.....lb. .05½- .06
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.80
Aluminate,[6] for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works. 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00
Antimoniate, bbls., dlvd.....lb. .16 - .16½
Arsenate,[6] dms., dealers, c.l., works..lb. .09½- —
l.c.l., works.....lb. .10¾- .11¼
Arsenite,[6] gray, dms., dealers, c.l., works..lb. .08¼- —
l.c.l., works.....lb. .09 - .10
Soda arsenite, gray, ¾c. higher in Chl.; 2c. higher in Houston, Tex., and Palo Alto, Calif.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., dlvd., zone 1.....100 lbs. 2.18 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works, zone 1, 100 lbs. 1.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l.... 100 lbs. 1.18 - —
l.c.l., dlvd., zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.45 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.13
l.c.l., dlvd., zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south. bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31°, Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 93°, Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La., and Miss. No. of 31°; (3) Ark. W. of 93°, Kans.,

Natural
BICHROMATE OF SODA
Essentials in War and Peace
NATURAL BICHROMATE OF SODA
Crystals . . . Granular
NATURAL BICHROMATE OF POTASH
Crystals . . Granular
Constant effort and engineering skill for nearly forty years have brought the quality of NATURAL BICHROMATES to its pre-eminently high level of today. In spite of present operating difficulties, the maintenance of that recognized standard of quality has been and will be maintained. In war or peace you can depend on "Natural."
NATURAL PRODUCTS REFINING COMPANY
910 GARFIELD AVE.
JERSEY CITY, N. J.
BUY CROW-MATES

Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls (excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Soda benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP dms., 2 tons or more..lb. .46 - —
smaller lots.....lb. .47 - .52
Bicarbonate, tech., bgs., c.l., works..100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.90 - —
USP, gran., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l. .....100 lbs. 2.45 - —
Bichromate,[1,6] bgs., c.l., works, lb. .07¾- —
l.c.l., works.....lb. .07¾- .08¼
Soda bichromate in bbls. ¼c. higher.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., same basis.....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works, 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
35°, bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
fiber dms., 100 lbs., works, lb. .26 - —
Cacodylate, bots., dms.....lb. 9.00 -12.90
Carbonate (see Soda ash, Soda monohydrate, Soda sal).

Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1, dlvd..... 100 lbs. 3.55 - —
2, dlvd.....100 lbs. 3.70 - 3.05
3, dlvd.....100 lbs. 3.95 - 3.30
4, dlvd.....100 lbs. 4.35 - 3.70
liquid, 47-49%, buyer's tanks, works..100 lbs. 1.92½- —
seller's tanks, works..... 100 lbs. 1.95 - —
70%, buyers' tanks, works.. 100 lbs. 1.97½- —
sellers' tanks, works.... 100 lbs. 2.00 - —
solid, 76%, dms., c.l., works, 100 lbs. 2.30 - —
l.c.l., Zone 1, dlvd..... 100 lbs. 3.15 - —
2 dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —
4, dlvd.....100 lbs. 3.95 - —
Caustic soda zones are same as soda ash.
Chloride (see Salt).

Chlorate,[6] cryst., kgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate,[1,6] bbls., cks., c.l., works, frt. equald..lb. .09¼- —
l.c.l., works, frt. equald..lb. .09½- .09¾
Soda chromate in bgs. is ⅛c. lower.
Citrate, USP VIII, bbls.....lb. .18½- —
dms. .....lb. .19½- .22½
USP XII, gran., bbls.....lb. .24 - —
dms. .....lb. .25 - .29
powd., bbls.....lb. .24½- —
dms. .....lb. .25½- .29½
Cyanide,[6] 96-98%, dms.....lb. .14½- .15
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09½- .10½
anhyd., dms., dlvd.....lb. .12½- —
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works..lb. .07¼- —
l.c.l., works.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Formate, bgs., c.l., works...lb. .0655- —
l.c.l., works.....lb. .068 - —
Glutamate, monobasic, kgs..lb. 1.04 - 1.06
Glycerophosphate, NF, cryst., bbls..100 lbs. 1.25 - —
dms. .....lb. 1.40 - —
powder, 5c. higher.
solution, 50%, cbys., cns...lb. .82 - .90
Hydrosulphite, dms., frt. alld., lb. .17 - .18
Hydroxide, USP, sticks, dms., lb. .24 - .26
tech. (see Soda caustic).
Hypophosphite, NF, cns.....lb. .67 - .70
Hyposulphite, cryst., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
l.c.l., same basis...100 lbs. 2.50 - —
pea cryst., bgs., c.l., works, 100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.75 - 3.95
Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.
USP, cryst., bbls.....lb. .10 - .12
Iodate, dms., jars.....lb. 5.40 - 5.48
Iodide, bots.....lb. 2.53 - 2.57
dms., jars.....lb. 2.42 - —
Mandelate, dms.....lb. 3.25 - 3.35
Metanilate, bgs.....lb. .40 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.90 - 5.30
gran., bbls., c.l., works, frt. equald..lb. 2.50 - —
l.c.l., dlvd.....100 lbs. 3.30 - 3.55
Methylate, bots., works.....lb. 1.00 - —
cns., works.....lb. .55 - .60
dms., works.....lb. .45 - .60
Molybdate,[6] anhyd., kgs., works, lb. .47 - —
Monohydrated, bgs., c.l..100 lbs. 2.90 - —
works .....100 lbs. 2.45 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate,[6] crude, dom., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, same basis.....ton.27.00 - —
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac. whse..ton.33.00 - —
200-lb. bgs., same basis, ton.32.40 - —
bulk, same basis.....ton.30.00 - —
refd., gran., bbls., 10 tons.. 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
Nitrite, 96-98%, bbls., c.l., wks., frt. equald..lb. .06¾- —
west coast ports..100 lbs. 8.00 - 8.05
l.c.l., dlvd.....100 lbs. 8.90 -11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald.100 lbs. 4.50 - —
l.c.l., same basis...100 lbs. 5.45 - 5.85
flake, dms., c.l., wks..100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 4.30 - 4.55
Oxalate, neut., bgs., works..lb. .10 - —
Pantothenate, dextrotatary, 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16¼
l.c.l., works, frt. equald.lb. .17 - —

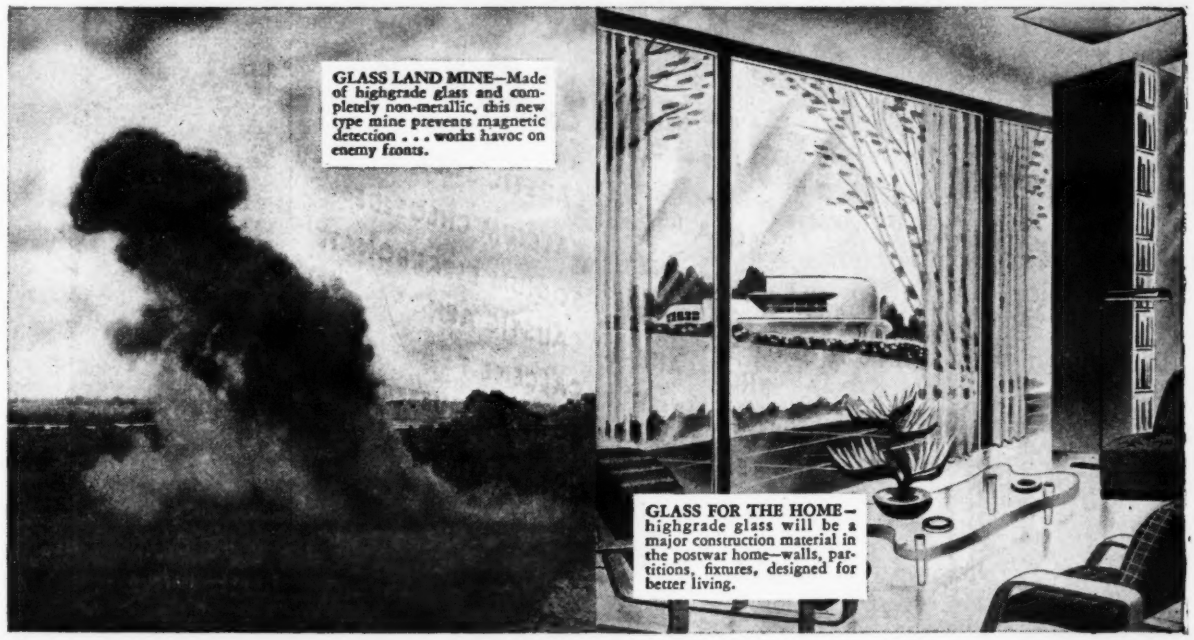
Soda pentachlorophenate, kgs., l.c.l., works, frt. equald..lb. .19 - —
Perborate,[6] NF, bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15½- —
Peroxide,[6] dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots.....lb. .17 - —
Phosphate,[6] dibasic, tech., anhyd., bgs., c.l., works..... 100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.50 - 7.25
cryst., bgs., c.l., works.. 100 lbs. 2.55 - 2.70
l.c.l., works....100 lbs. 2.95 - 3.45
USP, - XII, dried, bbls., dms., works..lb. .16 - —
gran., bbls., dms., works, lb. .10 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 8.00 - 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - —
l.c.l., same basis..100 lbs. 6.50 - —
cryst., bgs., c.l., same basis, 100 lbs. 2.70 - —
l.c.l., same basis..100 lbs. 3.40 - —
kgs., c.l., works....100 lbs. 3.40 - —
l.c.l., works.....100 lbs. 4.15 - —
USP (see Sodium phosphate, dibasic).
Soda phosphate in bbls. 20c. higher.
Prussiate, yellow, bgs.....lb. .10¾- —
bbls. .....lb. .11 - —
Pyrophosphate,[6] tetra-basic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 5.25 - —
l.c.l., same basis..100 lbs. 5.40 - —
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs.....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls. .....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —

Soda salicylate, dms.....lb. .52 - .54
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd....100 lbs. 2.70 - —
2, dlvd.....100 lbs. 2.85 - —
3, dlvd.....100 lbs. 3.10 - —
4, dlvd.....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, dms., c.l., works, 100 lbs. 3.05 - —
l.c.l., dlvd.....100 lbs. 4.05 - 4.30
Silicate, 40° turbid, dms., c.l., works..100 lbs .80 - —
l.c.l., works.....100 lbs. 1.05 - 1.20
tanks, works.....ton.12.00 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton.25.00 - —
Silicofluoride, bbls., c.l., works, lb. .06½- .07
l.c.l., same basis.....lb. .08 - .10
Stannate, dms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07½
tech., anhyd., bgs., c.l., works..100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - —
smaller lots.....lb. 2.35 - 2.80
cryst. (see Glauber's salt).
USP, cryst., gran., bbls..lb. .07 - .10
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd.....100 lbs. 2.90 - 3.15
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works.....100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.55 - —

Soda sulphite, powd., bbls., c.l., 100 lbs. 5.25 - —
l.c.l. .....100 lbs. 5.50 - 6.00
sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP, dms.....lb. .55 - .65
Sulphohydrate, liquid, 38%, dms., c.l., works, 100% basis, lb. .06 - —
l.c.l., works.....lb. .08 - —
tanks, 100% basis, works, lb. .03¾- —
flake, 70-72%, dms., c.l., works lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Tetrapyrophosphate,[6] anhyd., bgs., c.l., works, frt. equald..100 lbs. 5.25 - —
l.c.l., same basis..100 lbs. 5.40 - —
Thiosulphate (see Soda hyposulphite).
Tungstate,[6] tech., kgs.....lb. 1.35 - 1.50
Soda-cinchophen, bots., dms..lb. 3.75 - 3.85
Soda-formaldehyde sulphoxalate, stand cont. 125-250 lbs.)..lb. .19 - .22
Soda-sulphadiazin, USP, dms..lb.10.50 - —
Soda-sulphamerazin, dms.....lb.10.50 - —
Soda-sulphathiazole, USP, dms., 1,000-lb. lots..lb. 2.50 - —
500-lb. lots.....lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.80
Solvent naphtha,[6] dms., wks.gal. .32 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .27 - —
Minnequa, Colo.....gal. .27 - —
high-flash,[6] dms., works..gal. .32 - —
tanks, frt. alld. E. of Omaha to 2c. per gal..gal. .27 - —
wire enamel,[6] ret. dms., c.l., frt. equalized..gal. .27 - —
l.c.l., same basis.....gal. .30 - —
tanks, works.....gal. .22 - —

SOLVAY*

...KEYED TO TODAY AND TOMORROW!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SODA ASH • CAUSTIC SODA
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POTASSIUM CARBONATE

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New Orleans • New York • Philadelphia • Pittsburgh • St. Louis • Syracuse

Soybean meal,[1] 41%, bulk, c.l., Decatur..ton.45.00 - —
Protein, alpha, bgs., 40,000 lbs., works..lb. .20 - —
20,000 lbs., works..lb. .20¼- —
smaller lots, works.....lb. .20½- .24
Sorbitol,[4] com'l, dms., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15½- —
Sparteine sulphate, bots., cns..oz. 1.80 - 1.85
Spearmint leaves, bls.....lb. .48 - .49
Spikenard root, bls.....lb. .33 - .34
Spruce extract, liq., reg., bbls., c.l., works..lb. .02¾- —
tanks, works.....lb. .01½- —
pwd., super. bgs., c.l., wks.lb. .04½- —
Squaw vine, bls.....lb. .53 - .55
Squill, red, fortified, powd., bbls., bxs..lb. 2.25 - —
White, bls.....lb. .14 - .16
powd., bbls., bxs.....lb. .18 - .19
St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls..lb. .11 - .11½
Starch, corn, pearl, bgs..100 lbs. 4.08 - —
Chicago .....100 lbs. 3.72 - —
powd., bgs.....100 lbs. 4.19 - —
Chicago .....100 lbs. 3.83 - —
Potato, bgs., c.l.....lb. .0637- —
l.c.l. .....lb. .0712- —
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. .09 - .09¼
Wheat, thick boil, bgs.....lb. .05 - —
Starch iodide, bots.....lb. 1.87 - —
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. No stocks
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.25 - 1.50
Stramonium leaves, bgs.....lb. .20 - .21
Seed, bgs.....lb. .20 - .21
Strontium bromide, cns., dms..lb. .53 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls.....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
Chromate, bbls., kgs., Phila..lb. .35 - .37
Strontium iodide, bots.....lb. 3.06 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works.....lb. .07¾- —
l.c.l., works.....lb. .08¼- .08¾
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb. 1.10 - 1.13
Strontium sulphate, nat., air-floated, 325 mesh, 90% bbls., works..ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.85
Strophanthin, bots.....oz.30.00 -50.00
Strophanthus seed, Kombe, bgs., lb. 2.65 - 2.70
Strychnine, NF, cryst., cns., 100 ozs..oz. .70 - —
powd., cns., 100 ozs.....oz. .60 - —
Acetate, cns., 100 ozs.....oz. .88 - —
Arsenate, cns., 100 ozs.....oz. .91 - —
Arsenite, cns., 100 ozs.....oz. .88 - —
Glycerophosphate, cns., 100 ozs., oz. .89 - —
Hydrochloride, cns., 100 ozs.oz. .88 - —
Hypophosphite, cns., 100 ozs., oz. 1.00 - —
Nitrate, NF, cns., 100 ozs...oz. .82 - —
Phosphate, NF, cns., 100 ozs., oz. .89 - —
Sulphate, USP, cryst., cns., 100 ozs..oz. .58 - —
powd., cns., 100 ozs.....oz. .48 - —
Stryrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works...lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazin, USP, dms.....lb. 9.00 - —
Sulphaguanidin, dms.....lb. 4.50 - —
Sulphamerazin, dms.....lb. 9.00 - —
Sulphanilamide, bots.....lb. 1.50 - —
fib. dms.....lb. 1.05 - 1.25
Sulphapyridin, powd., bots., tins, lb. 5.00 - 5.30
Sulphathiozole, dms., 1,000 - lb. lots..lb. 2.50 - —
500-lb. lots.....lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.80
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton.16.00 - —
f.o.b. vessels, Gulf ports, contract..long ton.17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 2.00 - 2.11
precipitated, USP, bbls., kgs., lb. .18 - .30
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.25 - 3.40
heavy bgs., c.l., works.... 100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works.... 100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20
flowers, USP, bgs., c.l., works..100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
Refined sulphur flowers in bbls., 35c. higher.
rock, bbls., c.l., works.100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 2.90
Sulphur chloride, 55-gal. dms., c.l., works..lb. .03 - .03½
l.c.l., works.....lb. .04 - .04½
10-gal. dms., c.l., works...lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .06
tanks, works.....lb. .04 - —
refrigeration, cyls., works, lb. .16 - .21
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .08 - —
No. 2, bbls.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Superphosphate,[1] pulverized, run-of-pile under 22% a.p.a., unit-ton. .65 - —
Superphosphate, bulk, production points, Baltimore..unit-ton. .65 - —
Florida .....unit-ton. .51 - .54
others .....unit-ton. .57 - .84
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88¼c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $8.03 per ton; guaranteed 18%, 19% or 20% a.p.a., ½c. per unit-ton higher.
triple, 40% or more a.p.a., bulk, producing points, Florida..unit-ton. .63 - —
South Carolina..unit-ton. .70 - —
Tennessee .....unit-ton. .75 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.
Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls., Calif.....lb. .88 - .90 pulverized.

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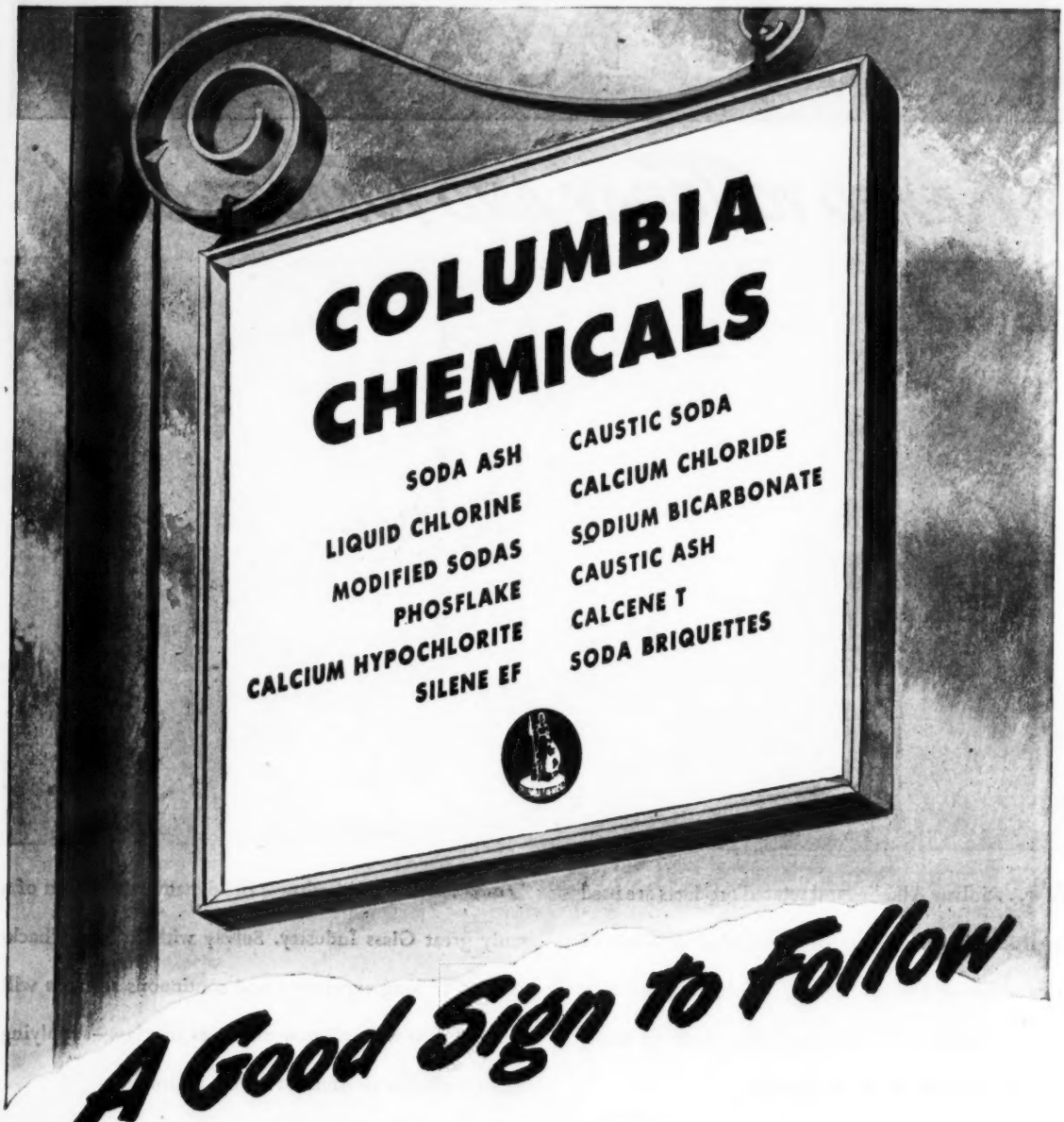
Talc, dom., ordinary grd., bgs., c.l., works..ton.14.50 -24.50
l.c.l., works .....ton.16.50 - .30
Calif., bgs., c.l., wks.ton.17.50 -43.00
Pennsylvania, bgs., c.l., works..ton.11.00 -13.50
l.c.l., works .....ton.12.00 -14.50
Vermont, bgs., c.l., works, ton.14.00 - —
l.c.l., works.....ton.15.00 - —
fibrous, grd., coarse, off-color, New York, bgs., c.l., works..ton.13.00 - —
fine, New York, 325 mesh, 93-94%, bgs., c.l., works, ton.13.00 -18.00
98 - 99.5%, bgs., c.l., works..ton.15.25 -19.25
99.85 - 99.95%, bgs., c.l., works..ton.17.00 -21.00
imp. Canada, bgs., c.l.....ton.24.00 -30.00
Tallow,[1,5] edible, tanks.....lb. .09¾- —
inedible, extra, loose.....lb. .08¾- —
special, loose.....lb. .08½- —
sulphonated, 30% (24% fat). dms., c.l..lb. .05¾- —
50% (43% fat), dms., c.l....lb. .06¾- .07
50% (48% fat), dms., c.l....lb. .07¾- .07½
Tallow, sulphonated, l.c.l., ½c. higher.
Tamarind, bbls.....lb. .13 - .14
Tankage,[1] animal, feed, 9-11% ammon., bulk..unit-ton. 5.53 - —
Chicago .....unit-ton. 5.53 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 4.00 & .10
Tapioca flour,[1,5] Brazil, bgs..lb. .06½- .07¼
Java, bgs.....lb. No stocks.
Tar acid oil,[3,6] 15-18%, dms., c.l., works..gal. .26½- .27½
l.c.l., works.....gal. .28½- .29¾
25%, dms., c.l., works....gal. .30 - —
l.c.l., works.....gal. .32 - —
Tar, pine (see Pinetar).
Tara, powd.....ton.120.00 - —
Tarragon herb, bgs.....lb. 1.40 - 1.50
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47¾- .48
dms. .....lb. .48½- .51
Tartar emetic, USP, powd., bbls., dms., kgs..lb. .52¾- .56
Terpin hydrate, com'l, bbls., c.l. lb. .24½- —
l.c.l. .....lb. .25 - .25½
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .34 - .50
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms..lb. .90 - 1.15
prime, cns., dms.....lb. .75 - 1.05
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08½
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - .21¼
smaller dms., works.....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetrallin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works..lb.12.50 - —
Theobromine,[1,6] dms., 25-lb. lots, lb. 2.80 - —
smaller lots.....lb. 2.90 - 3.00
Thiamine hydrochloride, bots., dms., 100 grams..kilo.160.00 - —
Thiocarbanilide, dms.....lb. .24 - —
Thiourea, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme,[1] California, French type, bls., Pacific coast..lb. .82 - .84
Spanish, bls.....lb. .16½- .17
Thymol, cns.....lb. 2.40 - 2.75
Iodide, dms.....lb. 3.40 - 3.80
Timbo root,[3,6] (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks
Crystals,[6] bgs., bbls.....lb. No stocks
Metal,[1,6] .....lb. .52 - —
Bolivian .....lb. .63½- —
Straits .....lb. No stocks
Oxide,[6] bbls.....lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works..lb. .31 - .33
Titanium dioxide,[1,4] chalk resistant, bgs., c.l., dlvd..lb. .15 - —
l.c.l., dlvd.....lb. .15¼- .15¾
nonchalking,[1,6] bgs., c.l., dlvd. E..lb. .16½- —
l.c.l., dlvd.....lb. .16¾- .17¼
plain,[6] bgs., c.l., dlvd....lb. .14½- —
l.c.l., dlvd.....lb. .14¾- .15¼
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base,[1,4] bgs., c.l.,dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Calcium base,[1,4] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Calcium-rutile base, [1,4] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Magnesium base,[1,4] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast ¼c. higher, c.l., dlvd., l.c.l., ex whse.
Tetrachloride, PC, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works.....lb. .65 - 1.22
technical, 55-gal. dms., works, lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. .78 - .82
Toluidin base, distilled, kgs....lb. .96 - —
Toluene (see Toluol).
Toluol[6] (toluene), 2° indus., dms., return, works..gal. .33 - —
tanks, E. of Omaha, frt. alld. 2c. per gal..gal. .28 - —
West Minnequa, Colo..gal. .28 - —



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MICRO CRYSTALLINE WAXES
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Physical and Chemical properties are identical to those of the natural product.

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AA 575
A. S. T. M. M. P. 165-170 F.

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AGENTS IN ALL PRINCIPAL CITIES in U. S. A. and Canada

Toluol (toluene), 1° nitration, ret. dms., works	gal.	.34½	—
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.29½	—
West Minnequa, Colo.	gal.	.29½	—
Tonga, 50% bark and vine, bbls.	lb.	.90	.91
Tonka beans, Angostura, cks.	lb.	1.50	1.60
Brazilian, Surinam, cs.	lb.	.80	.85
Totaquine,[1,6] USP XII, 100 ozs.,	oz.	.52	—
Triacetin, dms., works	lb.	.27	.32
Triamylamine, dms., c.l., works,	lb.	.98	—
l.c.l.	lb.	1.01	—
Tributyl citrate, 475-lb. dms.	lb.	.29	.31
smaller pkgs.	lb.	.34	.40
Phosphate, cns., l.c.l., dlvd.	lb.	.53	.55
dms., l.c.l., dlvd.	lb.	.49	—
Tributylamine, dms., c.l., works,	lb.	.78	—
l.c.l., same basis	lb.	.81	—
Trichlorobenzene, dms., c.l., frt. alld.	lb.	.06	—
l.c.l., same basis	lb.	.08½	—
tanks, same basis	lb.	.07½	—
Trichloroethane, dms., c.l., works,	lb.	.16	—
l.c.l., works	lb.	.17	—
Trichloroethylene,[6] dms., c.l., works, Zone 1, frt. alld.	lb.	.08	—
Zone 2, same basis	lb.	.08½	—
Zone 3, same basis	lb.	.09	—
Zone 4, ex whse.	lb.	.09	—

Trichloroethylene, l.c.l., prices, ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Tricresyl phosphate,[6] tech., cns., works	lb.	.28	.39½
dms., c.l., dlvd.	lb.	.25	—
l.c.l., dlvd.	lb.	.25½	—
tanks, dlvd.	lb.	.24	—
Triethanolamine,[5] dms., c.l., frt. alld. in E.	lb.	.19½	—
l.c.l., same basis	lb.	.20½	—
tanks, same basis	lb.	.18½	—
Triethyl phosphate, cns.	lb.	.40	—
Triethylamine, dms., works	lb.	1.16	—
Triethyleneglycol,[6] dms., c.l., frt. alld. in E.	lb.	.18½	—
l.c.l., same basis	lb.	.19½	—
tanks, same basis	lb.	.17½	—
Trimethylamine, dms., c.l., dlvd.	lb.	.85	—
l.c.l., dlvd.	lb.	.90	—
Trimethyloipropane, bbls.	lb.	.65	—
Triphenyl phosphate,[2] bbls.	lb.	.31	.32
Tripoli, air-floated, bgs., c.l., works	ton.	21.50	—
double grd., bgs., c.l., works	ton.	17.50	—
once-grd., bgs., c.l., works	ton.	16.00	—
Trisodium phosphate (see Soda phosphate, tribasic).			
Tuba root,[2,4] (see Derris root).			
Tungsten metal, powd.,[2] 99-99.7%, dms., works	lb.	2.60	- 5.40
Oxide, kgs.	lb.	No prices.	
Turmeric root, Alleppey, bls.	lb.	.12	- .12½
Haitian, bls., Miami or New Orleans	lb.	.09	- .09½
Madras, bgs.	lb.	.12	Nom.
Turpentine, gum, ret. dms.	gal.	.88	- .89
sulphate-wood, ret. dms.	gal.	.65½	- .76
wood,[1] d.d., dms., East.	gal.	.65	- .70
tanks	gal.	.60	—
steam-dist., ret. dms.	gal.	.80	- .83
tanks	gal.	.74	- .76

U

Unicorn root, false (see Helonias root) True (see Aletris root).			
Uranium,[6] oxide, black, bgs.	lb.	2.55	—
yellow, kgs.	lb.	1.65	—
Urea, dom., 46% N., bgs., c.l., works or ship. pts.	ton.	75.00	—
l.c.l., ship. pts.	ton.	77.50	-85.00
import, pure, cs.	lb.	.12	—
Fertilizer comp., 42% N., bulk, c.l., works or A. or G. ports.	ton.	37.40	—
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va.	ton.	59.00	—
fixed ammonia content, Belle, W. Va., freight equalized with Hopeville, Va., NH_3,	ton.	112.80	—
usual Atla. and Gulf ports, NH_3	ton.	116.80	—

C and D prices are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Uva ursi leaves, bls.	lb.	.19	.20

V

Valerian root, NF, bls.	lb.	.55	.60
Valonia, beards, bgs., f.a.s.	ton.	No prices	
Cups, bgs., f.a.s.	ton.	No prices	
Vanadium pentoxide, CP, bgs., cns., works	lb.	7.00	—
tech., dms., works	lb.	1.10	—
Vanilla beans,[1] Bourbon, tins	lb.	7.75	- 8.50
Mexican, cuts, tins	lb.	9.50	-10.00
whole, tins	lb.	10.50	-11.00
Tahiti, white label, tins	lb.	3.50	- 3.75
yellow label, tins	lb.	3.25	- 3.50
West Indian, tins	lb.	No stocks	
Vanillin,[1] ex eugenol, 25 lbs. or more, tins	lb.	2.60	—
smaller lots.	lb.	2.65	- 2.75
ex guaiacol, 25 lbs. or more, tins	lb.	2.35	—
smaller lots, tins	lb.	2.40	- 2.50
lignin, 25 lbs. or more, tins,	lb.	2.35	—
smaller lots, tins	lb.	2.40	- 2.50
Venice turpentine, artif., cns.	lb.	.24	- .25
Verdigris, bbls., bgs.	lb.	.22	- .23
Vinyl acetate,[6] cbys., works	lb.	.25	—
dms., c.l., works	lb.	.15	—
l.c.l., works	lb.	.16	—
smaller pkgs., l.c.l., works,	lb.	.25	—
Vinyl ether, bots., 75 c.c., less 20% and 20%	bot.	1.50	—
50 c.c., same basis	bot.	1.05	—
25 c.c., same basis	bot.	.65	—
Trichloride (see Trichloroethane).			
Vinylpyridin, ret. dms., works	lb.	1.50	—
Viosterol (irradiated ergosterol), bots., mil. units.		.10	- .14

Vitamin A (see Oils, codliver, halibut-liver). B, (see Thiamine hydrochloride).
Vitamin B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol)
E (see Alphatocopherol).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide)
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.	lb.	.55	.60
Wattle bark,[1] E. African, bgs., f.a.s.	ton.	53.00	—
S. Afr., bgs., f.a.s.	ton.	53.00	—
Extract,[1] liquid, 35% tannin, bbls., works	lb.	.06½	.06¾
tanks	lb.	.04¾	.05¼
solid, E. Afr., 61% tannin, ex dock	lb.	.05695	.05845
S. Afr., tannin, ex dock,	lb.	.0572	.0597
Wax, amorphous (see Wax, micro-crystalline).			
Bayberry, bgs.	lb.	No stocks.	
Bees,[1] bleached, USP, white, bricks, bgs., ton.	lb.	.58	—
discs or cakes, bgs., ton,	lb.	.60	—
ctns., ton.	lb.	.61	.63
slabs, bgs., ton.	lb.	.57	—
crude, pure, African, bgs., ton.	lb.	.40	—
smaller lots.	lb.	.41	.43
Western hemisphere, bgs., ton.	lb.	.44¾ Nom.	
ref'd, USP, bricks, bgs., ton,	lb.	.53½	—
discs, bgs., ton.	lb.	.55½	—
ctns., ton.	lb.	.56½	.58½
rounds or squares, bgs., ton.	lb.	.57½	—
ctns., ton.	lb.	.58½	.60½
slabs, bgs., ton.	lb.	.52½	—
Candelilla,[1] crude, bgs., ton,	lb.	.35	.36

Candelilla, powdered, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.

refined, bgs., ton.	lb.	.41	—
smaller lots	lb.	.45	.54
Carnauba,[1] chalky, No. 3, bgs., ton.	lb.	.71¼	—
smaller lots	lb.	.72¼	.81¼
North Country, No. 2, bgs., ton.	lb.	.75¾	—
smaller lots	lb.	.76¾	.85¾
No. 3, bgs., ton.	lb.	.73¼	—
smaller lots	lb.	.74¼	.83⅛
refined, bgs., ton.	lb.	.76¾	.80
smaller lots	lb.	.77¾	.90
yellow, No. 1, bgs., ton.	lb.	.83¼	—
smaller lots.	lb.	.84¼	.93¼
No. 2, bgs., ton.	lb.	.81¼	—
smaller lots	lb.	.82¼	.91¼
No. 3, bgs., ton.	lb.	.79	—
smaller lots	lb.	.80	.89

Carnauba wax, powdered (same differentials as candelilla).

Ceresin, dom., 138°-140° m.p., bgs., 1 ton.	lb.	.13½	.14
jobbing lots	lb.	.14½	.15
150°-160° m.p., bgs., 1 ton,	lb.	.15½	.16
jobbing lots	lb.	.16½	.17
160°-170° m.p., bgs., 1 ton.	lb.	.16½	.17
jobbing lots	lb.	.17½	.18
Japan, cs.	lb.	No stocks.	
Micro-crystalline, 170°-175° m.p., A.S.T.M., amber, ctns., 30 tons yearly, contract, group 3, works	lb.	.14¼	—
smaller lots, same basis,	lb.	.14½	.15¼
black, ctns., 30 tons, same basis.	lb.	.12¾	—
smaller lots, same basis,	lb.	.13	.13¾
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis.	lb.	.16¼	—
smaller lots, same basis,	lb.	.16½	.17½
190-195 m.p., ASTM, black, ctns., 30 tons, same basis,	lb.	.14¾	—
smaller lots, same basis,	lb.	.15	.15¾
white, ctns., 30 tons, same basis.	lb.	.28¾	—
smaller lots, same basis.	lb.	.29	.29¼
Montan, domestic, bgs.	lb.	.30	.35
Ouricury,[1] bgs., ton.	lb.	.49½	.51¾
smaller lots.	lb.	.50½	.61¾
refined, bgs., ton.	lb.	.62	—
smaller lots.	lb.	.63	.72

powdered ouricury prices same as candelilla.

Paraffin (see P).			
Spermaceti, blocks, cs.	lb.	.26	.27
cakes, cs.	lb.	.27	.28
White lead (see Lead, white).			
White pine bark, rossed, bls.	lb.	.15	.16
White precipitate,[3] powd., dms., 50 lbs. or more.	lb.	2.60	—
Whiting, chalk, dry-grd., bgs., c.l.	ton.	18.00	-22.00
l.c.l.	ton.	20.00	-24.00
wet-ground, bgs., c.l.	ton.	21.00	25.00
l.c.l.	ton.	25.00	-29.00
gilders, bolted, bgs., c.l.	ton.	20.00	-24.00
l.c.l.	ton.	21.00	-25.00
extra-bolted, bgs., c.l.	ton.	22.00	-26.00
l.c.l.	ton.	23.00	-27.00
Limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works.	ton.	6.00	—
smaller lots, N.E., works,	ton.	7.00	- 9.00
wet-grd., air-floated, 300 mesh, 99¾%, bgs., c.l.	ton.	9.35	-10.10
200 mesh, 99¾%, bgs., c.l.,	ton.	8.60	- 9.50
90%, bgs., c.l.	ton.	6.25	- 7.00
water-floated, extra gilders, bgs., c.l.	ton.	13.00	—
gilders, bgs., c.l.	ton.	12.45	—
putty grade, bgs., c.l.	ton.	12.00	—
Paris white, bgs., c.l.	ton.	24.00	-28.00
l.c.l.	ton.	25.00	-29.00
precipitated, bgs., c.l.	ton.	14.00	-15.00
l.c.l.	ton.	18.00	-20.00
Wild cherry bark, thick, bls.	lb.	.06	- .07
thin, natural, bgs.	lb.	.17	- .18
rossed, green, bls.	lb.	.26	- .28
Wild indigo root, bls.	lb.	.17	- .18
Witch-hazel leaves, bls.	lb.	.14	- .15
Witherite (see Barium carbonate, natural).			

A Statement of Fact

The preference for ST. JOE Lead-Free ZINC OXIDE among the country's leading manufacturers in the rubber, paint and allied industries, is largely due to these reasons: The product's high chemical purity cleanliness and exceptional uniformity—all of which are made possible by our patented Electro-Thermic Process. Another factor is that in normal times, the facilities of our modern laboratories are available for any cooperative research program involving the use of zinc oxide. For, due to the flexibility of our Electro-Thermic Process, it is frequently possible to produce pigments having those *special* characteristics which the pre-determined end-use of the zinc oxide indicates as being most desirable.

ST. JOSEPH LEAD COMPANY

250 PARK AVE., NEW YORK, N. Y.

MADE BY THE LARGEST PRODUCER OF LEAD IN THE UNITED STATES

Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y.	ton	20.00	—
60 mesh, same basis	ton	24.00	—
80 mesh, same basis	ton	27.00	—
100 mesh, same basis	ton	30.00	-32.00
Woodflour, in bags, 25c. each extra, returnable.			
Wormseed, American, bgs.	lb.	.20	- .23
Levant, bgs.	lb	4.50	- 4.75
Wormwood, bls.	lb.	.30	- .50

X

Xanthorrhiza, bls.	lb.	.24	- .25
Xylene (see Xylol).			
Xylidin, mixed, dms.	lb.	.85	- .86
Xylol,[4] (xylene), indus., ret. dms., works.	gal.	.32	- —
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.27	- —
West Minnequa, Colo.	gal.	.27	- —
Xylol, 10°, ret. dms., works.	gal.	.35	- —
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.30	- —
5°, ret. dms., works.	gal.	.42	- —
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.37	- —
3°, ret. dms., works.	gal.	.47	- —
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.42	- —
Xylol petroleum solvent, ret. dms., No. N. J.	gal.	.26	- —

Y

Yara yara, cryst., bots., cns.	lb.	1.90	- 2.00
Yeast, brewer's, dry, 50 B units, dms.	lb.	.35	- —
90 B units, dms.	lb.	.45	- —
200 B units, dms.	lb.	.50	- —
300 B units, dms.	lb.	.60	- —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul.	lb.	.22	- —
Barium chromate price differentials on deliveries in the various other State and city zones are the same as those for chrome yellow, which are set forth below.			
Benzidin, bbls., dlvd.	lb.	1.35	- 2.25
Cadmium, CP, bxs.	lb.	1.35	- 1.40
Lithopone, bbls., ton lots, E. of Rockies.	lb.	.55	- —
smaller lots, same basis, lb.	lb.	.65	- —
Sulphide, orange, cs., kgs., works.	lb.	1.10	Nom.
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.	lb.	.16	- —
Chrome yellow prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas), 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.			
Dutch pink, bbls.	lb.	.09	- .11
Hansa, bbls., same basis as chrome.	lb.	1.37	- —
primrose, bbls., same basis.	lb.	1.75	- —
Mercury oxide, bbls., 1,000 lbs., lb.	lb.	2.56	- —
smaller lots.	lb.	2.58	- —
Ocher, American, golden, bbls., works.	lb.	.04½	- .06¾
yellow, bbls., works.	lb.	.02	- .02¾
French type, bbls., c.l.	lb.	.0645	- —
l.c.l.	lb.	.0905	- —
Oxide, iron, nat., bbls., c.l., Bethlehem, Easton, Pa.	lb.	.04½	- —
l.c.l., same basis.	lb.	.05	- —
synth, bbls., c.l., works.	lb.	.0685	- —
l.c.l., works.	lb.	.071	- —
Persian orange (see O).			
Zinc,[6] bbls., same basis as chrome.	lb.	.16	- —
Navy spec. type, contract, lb.	lb.	.16	- —
Yellow xanthorrhiza (see Xanthorrhiza).			
Yerba santa leaves, bls.	lb.	.21	- .26
Yohimbine hydrochloride, vls.	oz.	3.00	- 5.75
Yellow dock root, bls.	lb.	.35	- .36

Z

Zein, bgs., 1,000 lbs., works.	lb.	.25	- —
smaller lots, works.	lb.	.30	- —
Zinc acetate, tech., bbls., dlvd.	lb.	.16	- .17
USP, bbls., 250 lbs.	lb.	.26	- .27
kgs., 100 lbs.	lb.	.29	- —

Corporation Earnings

American Viscose Corporation

Year, Dec. 31	5,129,940	6,352,223
Per share	2.28	2.98

American Zinc-Lead Company

Year, Dec. 31	907,350	927,887
Per share	.83	.87

Armstrong Cork Company

Year, December 31	4,218,998	3,667,026
Per share	2.84	2.45

Crown Cork & Seal Company

Year, Dec. 31	2,440,194	1,637,056
Per share	3.74	2.18

E. I. duPont de Nemours & Co.

Year, December 31	80,870,106	69,706,819
Per share	6.60	5.59

International Salt Company

Year, December 31	646,935	704,603
Per share	2.88	1.72

Mathieson Alkali Works

Year, Dec. 31	1,322,883	1,273,162
Per share	1.40	1.34

Minnesota Mining & Mfg. Company

Year, December 31	3,958,103	4,022,520
Per share	4.06	4.18

National Lead Company

Year, December 31	7,563,754	5,200,877
Per share	1.79	1.02

Peoples Drug Stores

Year, December 31	1,140,080	1,140,992
Per share	2.32	2.32

Standard Oil Company of California

Year, Dec. 31	43,467,997	36,116,060
Per share	3.54	2.78

St. Joseph Lead Company

Year, December 31	5,153,355	4,033,974
Per share	2.61	2.06

Zinc arsenite,[1] bgs., c.l., frt. alld. E. of Rockies.	lb.	.11¾	- .13½
l.c.l., same basis.	lb.	.12¼	- .13¾
Borate, bgs., c.l.	lb.	.12	- —
Carbonate, tech., rubber makers' grade, bbls., works.	lb.	.09¾	- .10¼
USP, precip., powd., bbls.	lb.	.35	- —
dms.	lb.	.40	- —
kgs.	lb.	.37	- —
Chloride, tech., fused, dms., c.l., works. 100 lbs.		5.00	- —
l.c.l., works. 100 lbs.		5.35	- —
gran., dms., c.l., works. 100 lbs.		5.75	- —
l.c.l., works. 100 lbs.		6.50	- —
solution, 50%, dms., c.l., works.	lb.	.0315	- —
l.c.l., works.	lb.	.04¼	- .04½
tanks, works.	lb.	.0250	- —
USP, dms.	lb.	.30	- .31
jars	lb.	.35	- .36
Chromate (see Yellow, Zinc).			
Cyanide, kgs., works.	lb.	.33	- .37
Dust,[6] bbls., c.l., dlvd.	lb.	.1085	- —
l.c.l., works.	lb.	.1135	- —
Fluoride, bbls.	lb.	.25	- .30
Hydrosulphite, dms., works.	lb.	.16	- —
Iodide, NF, bots.	lb.	4.66	- 4.75
jars	lb.	4.40	- —
Laurate, bbls.	lb.	.32	- .33
Metal,[1,2,5] (quotations in Protective Coatings market).			
Naphthenate, 8%-10% Zn, dms.,	lb.	.16	- .19½
Oxide, pigment, dom., acicular,[6] bgs., c.l., dlvd.	lb.	.07¼	- —
l.c.l., dlvd.	lb.	.07½	- —
American process, com'l, lead free,[6] bgs., c.l., dlvd.,	lb.	.07¼	- —
l.c.l., dlvd.	lb.	.07½	- —
American process, com'l, leaded,[4] 50%, bgs., c.l., dlvd.	lb.	.07½	- —
l.c.l., dlvd.	lb.	.07⅝	- —

Zinc oxide, Amer. process, leaded, 35% or more, bgs., c.l., dlvd.	lb.	.07	- —
l.c.l., dlvd.	lb.	.07¼	- —
French process, com'l, lead free,[6] bgs., c.l., dlvd.	lb.	.07¼	- —
l.c.l., dlvd.	lb.	.07½	- —
green seal, bgs., c.l., dlvd., lb.	lb.	.09	- —
l.c.l., dlvd.	lb.	.09¼	- —
red seal, bgs., c.l., dlvd.	lb.	.08½	- —
l.c.l., dlvd.	lb.	.08⅝	- —
white seal, bgs., c.l., dlvd.,	lb.	.09½	- —
l.c.l., dlvd.	lb.	.09⅝	- —
Zinc oxide Pac. Coast prices ½c. higher; bbl. prices ½c. higher than bgs.			
USP,[6] 50-lb. ctns., c.l.	lb.	.10½	- —
l.c.l.	lb.	.10¾	- —
Resinate,[5] 8.7% Zn, dms.	lb.	.14½	- —
fused, pale, bbls.	lb.	.11	- .12
precipitated, dms., dlvd.	lb.	.15	- —
Silicofluoride, bbls.	lb.	.15	- .16
Stearate, tech., ctns., c.l., frt. equald.	lb.	.29	- —
smaller lots, same basis.	lb.	.30	- .31
USP (same prices as tech.).			
Sulphate, cryst., bgs., c.l., wks., frt. alld. 100 lbs.		3.40	- —
l.c.l., same basis. 100 lbs.		4.15	- —
flake, bgs., c.l., same basis, 100 lbs.		3.80	- —
l.c.l., same basis. 100 lbs.		4.55	- —
powd., bgs., c.l., same basis. 100 lbs.		5.35	- —
l.c.l., same basis. 100 lbs.		6.10	- —
Zinc sulphate, in bbls., 25c. higher.			
Sulphide,[1,6] pure, bgs., c.l., dlvd.	lb.	.08¼	- —
l.c.l., dlvd.	lb.	.08½	- —
bbls., c.l., dlvd.	lb.	.08¾	- —
l.c.l., dlvd.	lb.	.08⅞	- —
Barium pigment, bgs., c.l., dlvd.	lb.	.0560	- —
l.c.l., dlvd.	lb.	.0585	- —

Zinc, calcium pigment, bgs., c.l., dlvd.	lb.	.0560	- —
l.c.l., dlvd.	lb.	.0585	- —
Fluorescent pigment, works, frt. alld.	lb.	.90	- 1.00
Magnesium pigment, bgs., c.l., dlvd.	lb.	.05¾	- —
l.c.l., dlvd.	lb.	.06	- —
Zinc sulphide and pigments, Pac. coast prices ¼c. higher; bbl. prices ¼c. higher than bgs.			
Sulphocarbolate, NF, bbls., dms.	lb.	.28	- .31
Tallate, 5% Zn, dms.	lb.	.09¾	- —
Yellow (see Yellow, Zinc).			
Zinc-ammonia chloride, dms., c.l., works. 100 lbs.		5.65	- —
l.c.l., works. 100 lbs.		6.70	- —
Zinc-cadmium sulphide, fluorescent, cns., works, frt. alld.	lb.	2.00	- 2.80
Zinc-iron oxide pigment, bgs., c.l., dlvd.	lb.	.06	- —
l.c.l., dlvd. E. of Rockies,	lb.	.06¼	- —
Pac. cst.	lb.	.06½	- —
ex whse., Pac. cst.	lb.	.07	- —
Zirconium hydride, cns., works,	lb.	7.00	- 8.00
Nitrate, kgs., works.	lb.	3.00	- 4.00
Oxide, crude, 70-75%, grd., bbls., works.	ton	75.00	-100.00
ex whse., Pac. cst.	lb.	.07	- —
white, 98%, grd., kgs., works.	lb.	1.80	- 2.00

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in OPD for April 2.

He's spreading films with the kind of tint retention and performance such paints should possess

ALBALITH the LITHOPONE of today and tomorrow

New Jersey Zinc

THE NEW JERSEY ZINC COMPANY
160 FRONT STREET, NEW YORK 7, N. Y.
Products Distributed by THE NEW JERSEY ZINC SALES COMPANY
NEW YORK • CHICAGO • CLEVELAND • SAN FRANCISCO

"And Freedom's banner streaming o'er us"

Oil, Paint and Drug Reporter

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Opportunities for Collaboration

Several recent movements in governmental circles have a significance for business, which can be encouraging. It is desirable that business join in these movements with a spirit of cooperation and an endeavor to keep free from prejudice and suspicion—but not to be, as is too often the alternative, lulled out of adequate awareness by mistaken confidence. The kickback of the optimistic acceptance of the original NLRB opposition to the unionization of foremen is a case in point. Management certainly missed an opportunity for better employment relations in that instance. It is greatly to be hoped that the new opportunities are not similarly neglected.

One of the governmental movements that can be encouraging and beneficial to business is the action of the Administrator of Retraining and Re-employment in appointing a committee to work with him in solving some of the problems of postwar employment and job seniority. The administrator has composed this committee of representatives of labor, of veterans, and of management. It is undeniable that the problems to which this committee is directed are among the most important in the postwar economic program. To the extent that tolerant understanding of viewpoints, recognition of common interests, and equitable cooperation are applied to their solution, the stability and other satisfactoriness of postwar employment relations will be achieved.

Another encouraging movement is reflected in a congressional bill (H.R. 2852) for the creation of a natural resources board composed of the Secretaries of Interior, War, Agriculture, and Commerce and seven individuals to be appointed by the President. It would be the duty of the board to conduct studies and surveys for the purpose of obtaining data and information regarding the natural resources of the United States, and to formulate and recommend plans for the conservation, development, and utilization of such natural resources. The board would report to Congress annually on its activities.

This, of course, is a step in economic planning. But, economic planning is an inevitable part of any program for adequate and satisfactory employment. Under the slurred and sneered designation, "planned economy," it has taken on a most obnoxious connotation which need never be borne out. Economy must be planned: it always has been planned. The only disturbing aspect is who is to do the planning. Exclusively governmental planning, with an inevitable corollary of control, is neither desirable nor efficient. It must be admitted that there are faults in any scheme of planning by private business alone. The antitrust laws make such planning illegal. But, in this, as in all other economic matters, a properly constructed partnership of government and business could do much for the good of everybody.

Franklin Delano Roosevelt
January 30, 1882—April 12, 1945
President of the United States of America
1933-1945

The duty of business at this point is to prepare all possible assurances that the seven individuals to be appointed by the President are properly representative of business as the motivating force of national economic welfare. All too often, advisory or collaborative groups of the sort are not so constituted.

—O-P-D—

Another Alphabetical

WPB has generated another offspring and named it CPO. The new youngster is most importantly purposed. Its is the responsibility of solving the problems of adjusting wartime controls to the needs of transition to a peacetime economy. CPO is designed, not only to provide a practicable program of control-shifting, but also to time the application of the various steps which it will comprise. That—need it be said?—will be a very important and quite difficult job.

CPO is a committee of sixteen members selected from the top ranks of WPB personnel. It will proceed along eleven lines in its approach and handling of the problems to which it has been dedicated. The task of coordinating the procedure and correlating the results will add not a little to the weight of the overall job for which the group has been set up. Along its eleven paths CPO will be informed, guided, confused, and delayed by the familiarized welter of war programs and nonwar programs, released resources and basic controls, cutbacks and resumptions, orders and reports, stockpiling and subsidies, shipping and small business, and manpower, plus returning veterans and newcomers. If there is anything else to arise and plague the processes of transition—and there will be much—CPO will be expected to know how to meet it and what to do with it. It will also be expected actually to do whatever may be necessary.

Without full and proper cooperation of business, CPO has been set to an impossible task. The importance of that task's being properly done—the necessity, in fact, that it be properly done—demands that business get back of CPO and work back of and along with the new agency in whatever may be necessary.

It is the stated policy of CPO to "consult with all segments of industry so far as possible before final action is taken." It should be the policy of business—industry, if you will—so to contrive that there will be no limit to the possibility of the proffered consultation. An earnest endeavor should be made to have a place for business in the deliberations of CPO before they reach the stage preliminary to final action. The advice and counsel of business should be a part of all the functioning of CPO. It is business that must make the transition from the exigencies and the demands of wartime economy to the, at least, different problems of peacetime functioning. The concomitant responsibility cannot be evaded with impunity.

—O-P-D—

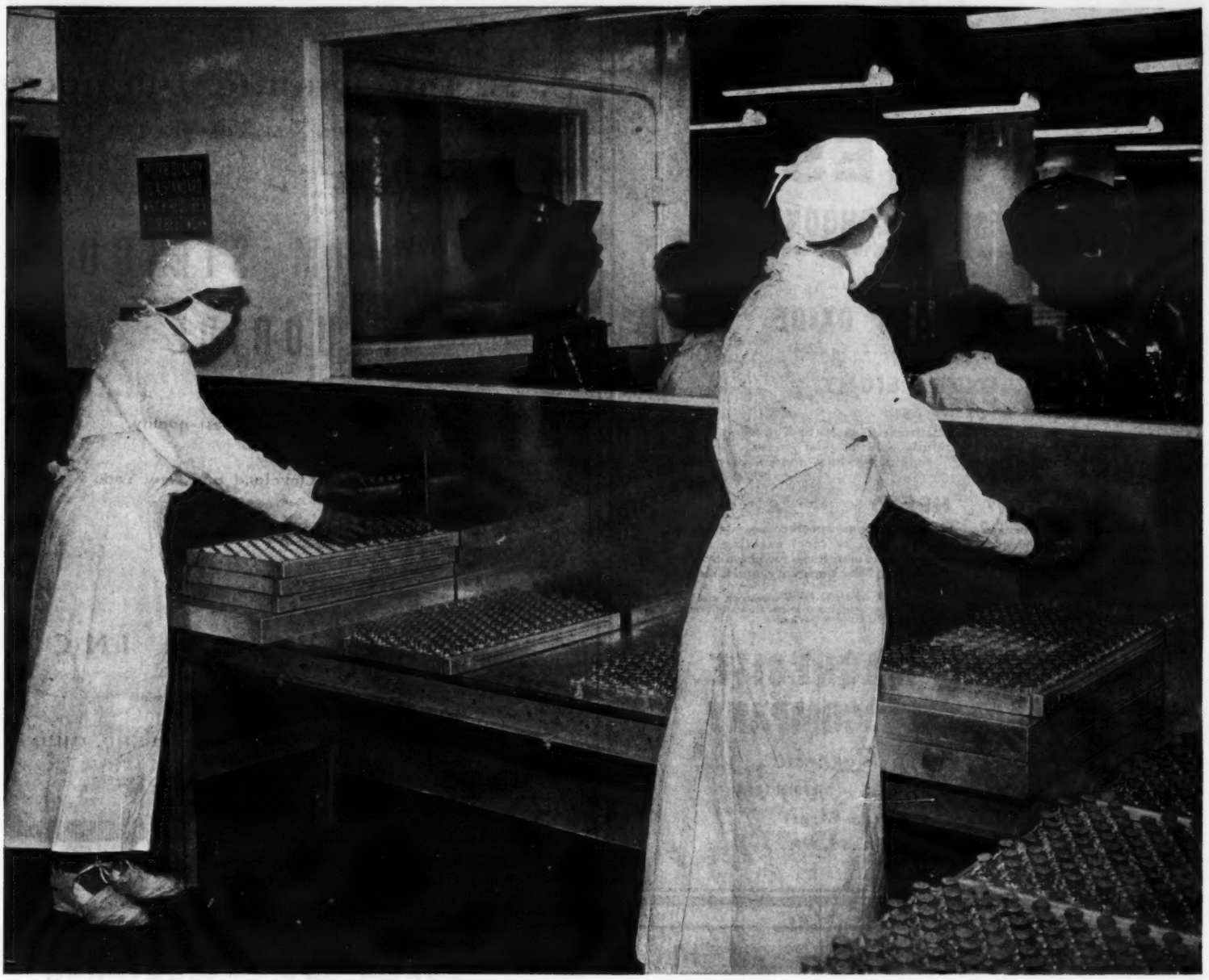
Advice for Congress

One of the reasons why representative government often falls short of adequacy in scope and objective is that those chosen for the functions of governing do not know what they should represent. Very often, they do not care, and therefore make no effort to find out. The pulse-taking among their constituents is entrusted to local political drum-majors and similar henchmen. And these always put their own views at the top of the list. Of course, there are other reasons why Congress sometimes runs head-on into the majority of public sentiment, but lack of information is usually the biggest reason—exceeding even disregard.

Various suggestions have been made with a view of making Congress better informed with respect to the attitudes of the public toward matters of legislative interest and to the wishes of the characteristically inarticulate majority of the people. One idea was that the franking of mail be reversed: that members of Congress be required to pay postage on their "messages," and communications to them from their constituents be carried postage-free. It would have to be expected, under such an arrangement, that the returns from home would be stacked by the organized minority which now controls.

A newer idea is that Congress be provided with a survey service in public opinion, which would keep it informed with respect to public sentiment expressed and reserved. Congress would be helped—and the country as a whole would be benefited—by such a service, properly functioning; just as there would be much good all around from an advisory service for Congress in the adequate purposing, correct phrasing, and constitutional construction of its legislative enactments.

In the much discussed reformation of Congress, thought would beneficially be given to the providing of the Federal lawmakers with adequate advice. The job would call for a sort of supreme court of several sessions, or divisions, in which could be assured freedom from prejudice and other bias and proof against untoward influences. Without such advisory assistance, lawmaking cannot be expected to be representative government.



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Heavy Chemicals

Signs of important easement in the supply position of heavy chemicals were lacking last week. Demand in most instances led production. There did seem to be a little better flow of materials from producing plants although there was plenty of room for improvement. Combined efforts of soda ash producers to induce consumers to take ash in bulk were reported to have met with some success. Bulk ash deliveries are not so far behind contract schedules but packaged material continued in bad shape through the persistent shortages in manpower. Aside from liquid soda caustic, no betterment was visible in the supply of dry grades. Phosphatic chemicals reflected the tight position in phosphorus and the pinch was felt all through the phosphate industrial chemical list. Trisodium phosphate was exceedingly scarce all week.

New inquiries involving sizable quantities were reported to have reached the oxalic acid market. It looked as though the government was back of this demand. WPB has tightened restrictions on tungsten. The potashes revealed no especially new features with the exception of potash perchlorate which was given a considerable whirl through heavy purchases for specific military uses. While chlorate allocations for the second quarter were reported heavy, trade reports suggested that requirements could be covered without unusual difficulty.

Paper production as a percentage of six-day capacity was 86.8 in the week ended April 7, according to the American Paper and Pulp Association. This compares with 88.9 in the previous week and 86.2 percent a year ago.

Production and supply figures noted in some of the following market reports were released by the Chemicals Bureau of WPB, unless otherwise specified.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
169.0	169.0	169.0	169.6

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

Aluminum—Notable increases in production to meet the growing military requirements for 1945 featured operations of all parts of the aluminum industry in January. Gains were recorded in every aluminum product group, with total product shipments exceeding 200,000,000 pounds, 21 percent higher than December, according to WPB. Total metal production in January was 159,600,000 pounds, a gain of 14 percent over the preceding month.

Ammonia Anhydrous—Production of synthetic during February amounted to 44,756 tons, compared with 49,863 tons in January. Stocks at the end of February were 6,766 tons, against 7,409 tons at the end of January.

Bleaching Powder—February output was placed at 1,909,000 pounds, against 1,950,000 pounds in January. Stocks at the end of February were 350,000 pounds, compared with 389,000 pounds at the close of the preceding month.

Magnesium—Primary metal production in January amounted to 7,697,000 pounds, a decrease of 10 percent from December and the lowest since September, 1942, according to WPB. Secondary recovery was close to 2,500,000 pounds, an increase of 34 percent.

Magnesium Chloride—Reported firm at former price levels. Heavy deliveries have been made recently to shipyards, where this chemical has found an extensive use in floor coverings for vessels.

Molybdenum—GPO-M-369 has been amended for molybdenum products in order to fulfill requirements for defense of the United States. The amendment covers applicability of regulations, restrictions on deliveries and reports and applications.

Potash Caustic—February production was placed at 3,813 tons, compared with 4,124 tons in January. Stocks at the end of February were 1,521 tons, against 1,463 tons at the end of January.

Potash Perchlorate—Heavy government demand featured this market last week. Purchases were reported for specific military requirements, and the market closed in a distinctly tight position.

Soda Ash—Any possible improvement in the ash situation was confined to bulk material. Combined efforts of producers to have consumers use bulk ash seem to have met with some success. Shipments of bulk ash have made headway, according to trade reports, and in some instances deliveries are down to two weeks behind schedule. The maintenance of tight manpower conditions has kept material in paper bags considerably behind contract schedules. Transportation complications have also continued to be a delaying influence. February production was placed at 171,929 tons of light soda ash, compared with 185,516 tons in January. Stocks at the close of February were 47,730 tons, against 41,465 tons at the end of the preceding month. February output of dense ash was 107,795 tons, against 124,948 tons in January. Stocks at the close of February were 46,018 tons, compared with 35,193 tons at the end of January.

Soda, Caustic—Aside from government requirements, consuming industries are getting some material, although no appeciable progress has been made in eliminating the delays in contract deliveries. Demand from regular consumers has accounted for the week's civilian movement and left the supply available for export or additional uses definitely short. Liquid was reported in a somewhat better position than either flaked or solid. Production of liquid by the electrolytic process in February was 88,216 tons against 97,740 tons in January. Solid production by this procress was 18,120 tons in February, compared with 19,461 tons in January. Output by the lime soda process in February was 58,039 tons of liquid and 19,397 tons of solid, compared with 63,360 tons of liquid and 19,860 tons of solid in January. Combined stocks at the end of February were 65,229 tons against 64,204 tons at the close of January.

Soda Hydrosulphite—February production was placed at 3,208,000 pounds, compared with 3,121,000 pounds in January. Stocks at the close of February were 1,218,000 pounds against 1,393,000 pounds at the close of the preceding month.

Soda Silicate—Production of liquid and solid combined for February was 33,575 tons compared with 38,397 tons in January. Stocks at the end of February were 45,129 tons against 46,811 tons at the end of January.

Tungsten—As a result of new urgent military programs requiring large quantities of tungsten, the use of the metal in high speed tool steels again will be restricted through the issuance of order M-21-j WPB stated on April 7. On April 10, WPB separated the controls imposed on tungsten and molybdenum through order M-369 by the issuance of a new order M-369a, which applies to tungsten only. This change was necessary because of the increased war demands for tungsten, which have necessitated restrictions on the metal, but which did not apply to molybdenum. The new tungsten order, which became effective April 10, does not materially alter basic restrictions on the metal now in effect, but it does add some controls including tungsten compounds from which tungsten powder is made, intracompany deliveries while an exception is provided for small lot transactions of 100 pounds or less in any calendar month. This latter refers only to contained tungsten in the form of tungsten compounds or powder.

Acids

Acetic—Production of synthetic and natural has continued sufficient to

For Current prices see alphabetical listing beginning on page 9.

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meet essential requirements without difficulty. Stocks are not excessive but seemed comfortable to meet important wants. War Food Administration contemplates the purchase of nearly 300,000 pounds glacial acetic acid.

Muriatic—Steady withdrawals for government and civilian uses have taken care of output and prevented any unusual accumulation of supplies. The market was quoted firm but without suggestion of price change. Production for the month of February was placed at 33,671 tons compared with 35,155 tons in January. Stocks at the close of February were 3,110 tons against 3,004 tons at the end of the preceding month.

Naphthenic — Gradually growing tighter under heavy military demand. Reported that only very high priority rated orders approved for civilian use.

Nitric—February production was placed at 40,067 tons compared with 40,876 tons in January. Stocks at the close of February were 6,825 tons against 7,027 tons at the close of January.

Oxalic--Considerable color was lent to the demand last week when an inquiry for a sizable quantity reached the market. Trade reports had it that the government was behind this new demand. Production remained heavily sold ahead with some makers not inclined to offer this side of July.

Sulphuric—Continued tight on account of heavy military demand, including aviation gasoline. Culmination of hostilities in Europe could change the supply picture appreciably. Total production in February was 806,078 tons, compared with 853,930 tons in January. Stocks at the end of February were 265,002 tons against 262,681 tons at the close of January.

General Products Division Names Wesseler Manager

Julian A. Wesseler has resigned as manager of the specialties division of the Commercial Solvents Corporation, New York, to become manager of the General Products Division of the Automatic Fire Protection Company, Englewood, N. J. General Products Division is a development and merchandising division which handles packaged chemical products as sales agents or for its own account.

'Grow-A-Garden Club' Sponsored by Shell Co.

"Grow-A-Garden Club" will again be sponsored by the Shell Oil Company, New York. Additions to the program which, last year, over 6,700 employees East of the Rockies enrolled as members of the club, include opening membership to employees' wives, and a doubling of prize money.

U.S. Industrial Chemicals Buys PiB Chemical Company

U. S. Industrial Chemicals, Inc., New York, has acquired the exclusive manufacturing and sales rights of the PiB Chemical Company, maker of PiB liquid insulation.

Biddle Purchasing In Larger Quarters

The Biddle Purchasing Company has moved its offices to larger quarters at 280 Broadway. The company also moved its warehouse to 65 Reade street, New York.

Lang with Hall Laboratories

Russell Lang has joined the field service staff of Hall Laboratories at Los Angeles, under Ray Sullivan. He will devote his principal efforts to boiler water conditioning aboard merchant marine vessels. The Hall Laboratories is an affiliate of the Hagan Corporation and Calgon, Inc., both of Pittsburgh.

Ky. Standard Elects President

W. G. Violette has been elected president of the Standard Oil Company of Kentucky. Mr. Violette, associated with the company for forty-one years, succeeds Edward Smith, who retired because of his health.

Rothstein Back

Herman Rothstein, vice-president of the Apex Chemical Company, New York, has returned to the office after a four-month leave of absence following an operation.

Phila. Chemical Club Holds April Meeting

The Chemical Club of Philadelphia held a meeting April 9 with thirty-four members and guests attending. W.R.E.Andrews, of the W.R.E. Andrews Sales Company, president of the club, appointed a special committee to arrange for the club's twenty-fifth anniversary. This committee is headed by William Thorn, of Innis, Speiden & Co.

Defender Photo Plans To Merge with duPont Co.

E. I. duPont de Nemours & Co., Wilmington, Del., will merge the Defender Photo Supply Company, Rochester. Stockholders of the latter company voted approval of the merger last week. Defender Photo manufactures sensitized photographic paper.

General Aniline Fills Directorate Vacancies

George Edward Allen, vice-president and director of the Home Insurance Company, and Dr. Fred H. Rhodes, Cornell University professor of industrial chemistry, have been named directors of the General Aniline & Film Corporation, New York, to succeed Dr. Robert E. Wilson, who resigned to become chairman of the Standard Oil Company of Indiana, and Dr. Robert Carr, deceased.

Metallurgy in Oil Refinery Efficiency Discussed

The vital contribution of the mtallurgist to engineering and operating the huge vessels now used in oil refining has been a major factor in the oil industry's development, according to a feature article in the current issue of 'The Kelloggram,' published monthly by the M. W. Kellogg Company, petroleum engineers, Jersey City, N. J., and New York, N. Y.

Rayon Launderability Research Study Planned

The American Viscose Corporation, New York is sponsoring a Rayon Launderability Research Fellowship at the American Institute of Laundering in order to develop complete data on the laundering characteristics of rayon men's shirts.

Trade Briefs

Bernard W. Slater has been appointed manager of operation for the plaskon division of Libbey-Owens-Ford Glass Company, Toledo, Ohio.

Merlyn Chemical Company is the firm name under which Merlyn W. Heddon has published a certificate that he is conducting business at 8912 Victoria avenue, South Gate, Calif.

Chemical Compounding Corporation has purchased the two-story office and factory building at 262 Hudson avenue, Brooklyn, from Howard B. Bishop. The property was assessed at $17,000.

Atlas Chemical Manufacturing Company is the firm name under which Duval Ellery has published a certificate that he is conducting business at 1970 India street, San Diego, Calif.

Pulverizing Machinery Company, manufacturer of pulverizers, grinders and mixers, Summit, N. J., has issued an advance bulletin entitled "Presenting the New Mikro-Atomizer." The bulletin describes a new mechanical, screenless pulverizer for the efficient production of ultra fine powders from 1 micron to 25 microns.

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Soluble in a variety of organic solvents.

CHEMICAL PROPERTIES

Agents	Effect
Acids	None
Alkalies (dilute)	None
Moisture	None
Oxidizing agents (room temperature)	None
Heat (about 135°C.)	Begins to evolve HCl
Condensation or Polymerization (room temperature)	None

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WPB Reconversion

—Continued from page 3

It will also examine control modifications facilitating reconversion, experimental models, needed capital equipment and "Pipe Line Filling."

Committee No. 5, construction and construction controls, John L. Haynes, chairman. This committe will determine the status and prospects of essential civilian construction, the problems of reconversion in the construction industry and desirable changes in construction controls.

Committee No. 6, basic priority controls, John C. Houston, chairman. This committee will recommend the simplified priorities system, the timing of and methods for eliminating the Controlled Materials Plan, and the function of the spot authorization plan, inter-agency directives, component scheduling and industrial inventories and surplus materials.

Committee No. 7, order structure and reports, John F. Skillman, chairman. This committee will review WPB's L, M and other orders and recommend revocations for modifications to be put into effect at V-E Day or at specified dates thereafter.

Committee No. 8, distribution controls, A. C. C. Hill, jr., chairman. This committee will deal with consumer end product distribution controls, distributors' inventories, and the rationing of gasoline, fuel oil, tires, solid fuels, stoves, shoes and other items.

Committee No. 9, imports, exports, shipping, stockpiling and subsidies, Edward Browning, jr., chairman. This committee will deal with domestic raw materials subsidies, import raw materials subsidies, imports and import shipping controls, export priorities and controls and stockpiling.

Committee No. 10, manpower controls and relations, Ralph Hetzel, chairman. This committe will examine the relationship of War Manpower Commission controls to WPB plans; manpower provisions in WPB controls; manpower clearances, labor conditions related to manpower; production urgency ratings for manpower and related field operations.

Committee No. 11, small business, newcomers and veterans. Bernard L. Lamb, chairman. This committee will examine the problems of small businesses in the reconversion period, veterans priorities and the problems arising in the establishment of new enterprises.

Fiber Shipping Containers Statistics Reported by WPB

The War Production Board has reported that corrugated and solid fiber shipping containers shipped to consumers in January amounted to 270,240 short tons. This compared with 252,581 short tone in December.

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S. Kearny, N. J.
MA 3-4725

Trade Briefs

N. A. Fisher Chemical Products is the firm name under which Norman A. Fisher has published a certificate that he is conducting business at 151 East Eighty-fourth street, Los Angeles, 3, Calif.

Richard J. Rushmore has been placed in charge of advertising production for Sheldon, Morse, Hutchins & Easton, publicity and industrial advertising agency, 420 Lexington avenue, N. Y.

Metalspray Company has been incorporated in Los Angeles with a capital of $25,000. The new corporation is represented by Edward D. Garratt, 429 Title Insurance Building, Los Angeles, Calif.

Associated Chemical Company is the firm name under which Karl C. B. Morrill and Elmer C. Morrill have published a certificate that they are conducting business at 1990 Logan avenue, San Diego, Calif.

Sulphur Export Pacts

—*Continued from page 3*

aminer for the commission, is presiding.

The commission said in a bill of particulars presented at the hearing that it has reason to believe that the corporation may have violated the law in entering into international agreements with foreign producers which appear to divide up the world market for sulphur and that it had attempted to regulate the export trade of nonmember domestic competitors.

Clarence A. Snyder, president of the corporation, denied, however, that the agreements with foreign producers were in violation of the law and said that he welcomed the efforts of the commission to clarify the rules under which Webb-Pomerene export trade associations may do business.

He said that if high levels of employment are to be maintained after the war, we must sell a substantial tonnage of sulphur in the export markets and it is important to know, therefore, under which rules American business men can be expected to compete in foreign markets where production for years has been subsidized and protected by foreign governments.

Mr. Snyder continued:—

We think that the Webb-Pomerene act has been and can continue to be of great benefit to American exporters in meeting this severe competition. The Bill of Particulars issued by the Federal Trade Commission in the present proceeding refers to agreements which Sulphur Export Corporation made with foreign producers providing for allocation of sales in certain foreign markets and for adherence to agreed schedules of prices in these markets.

Such agreements have always been considered entirely lawful, and copies of them have been on file with the Federal Trade Commission for many years. The agreements have been inoperative since the beginning of the European War. These same agreements were examined and made a matter of public record by the Temporary National Economic Committee in 1939. They were again scrutinized by the Antitrust Division of the Department of Justice during a ten months' investigation in 1939 and 1940. At the conclusion of that investigation, the Antitrust Division announced that public necessity did not require proceedings against the sulphur industry. I am proud to be associated with an industry which has been able to supply every ton of sulphur required by every war plant of the United Nations, and civilian needs as well, at no increase over pre-war prices.

Zimmerli Quits Gen'l Aniline To Enter Consulting Field

Dr. W. F. Zimmerli has resigned as vice-president of General Aniline & Film Corporation, New York, to engage in private practice as a consultant in the chemical industry. Dr. Zimmerli, a native of Brooklyn and an alumnus of Polytechnic Institute. Before joining General Aniline & Film Corporation early in 1942, Dr. Zimmerli had been with E. I. duPont de Nemours & Co., Wilmington.

Pfizer & Co. to Split Stock

Charles Pfizer & Co., Inc., manufacturing chemist, New York, will split its common stock on a two-for-one basis. Holders of record April 23 will receive on or about May 1 two additional shares for each share held. The board also declared a dividend of 20 cents a share payable on the stock June 9 to holders of record June 1. Payments before the split were 35 cents quarterly.

Gets Diamond Alkali Post

William H. McConnell has been made assistant director of sales for the Diamond Alkali Company, Pittsburgh. Mr. McConnell was previously vice-president of the Benner Chemical Company, Chicago, distributor of Diamond Alkali products.

Ed H. Bucy Nominated N.Y. Paint Club Head

Ed. H. Bucy of the Zapon division of the Atlas Powder Company, has been nominated for the presidency of the New York Paint, Varnish and Lacquer Association to succeed Renshaw Smith, jr., of Devoe & Raynolds, Inc. Election will be held at the annual meeting at the Biltmore Hotel, May 10. Others on the slate are:

Vice-president, Leon Davis Eldot, of L. Sonneborn Sons, Inc.; secretary, Thos. F. Brennan, of the American Can Company; treasurer, Hendirck E. Hendrickson, of S. Winterhouse & Co. Nominated for a two-year term on the executive committee are: Fred A. Walters, of the Socony paint products division of the Socony-Vacuum Oil Company, Walter M. Clark, of the Muralo Company, and Harold M. Johnson, of the Nuodex Products Company.

Preceding the annual dinner and meeting, the association will hold its second "What's Cookin' Symposium" in the afternoon. This symposium made a distinct hit when it was inaugurated a year ago. Harold Johnson and his program committee have invited all class B and C members to take part in it.

Norwich 60th Year

Norwich Pharmacal Company, Norwich, N. Y., is celebrating its sixtieth anniversary.

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PQ SILICATE AID: Have you a waterproofing, acidproofing or oil proofing problem? Insoluble films in the surface pores of concrete are formed by solutions of "O" Brand Sodium Silicate (1:3.22 silicate). Ask for free data on coatings for concrete. (Bul. 341)

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(Sodium Sesquisilicate—Technically Anhydrous Equivalent)

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DRYORTH*

(Sodium Orthosilicate—Technically Anhydrous)

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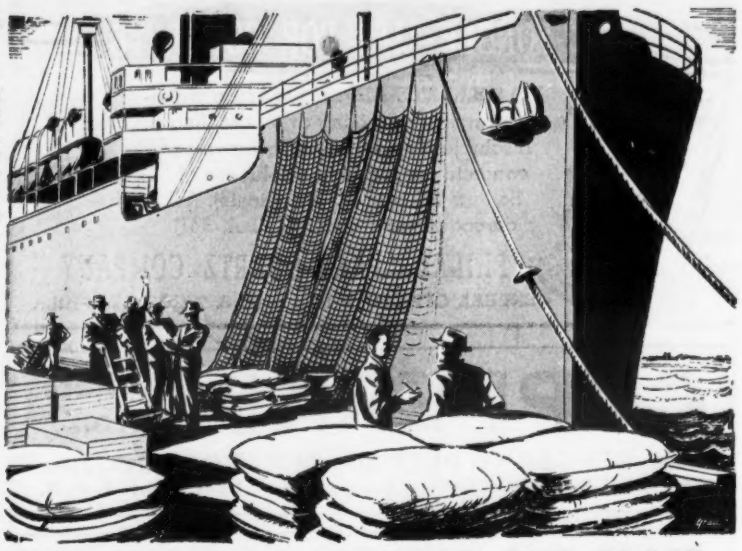

MOVE MATERIALS FOR WAR AND PEACE

IN *Fulton* WATERPROOF COTTON AND BURLAP PAPER LINED BAGS

Fulton Bags carry through. It takes a tough moisture resistant bag to get there in good shape, protecting its contents under all loading and shipping conditions. The waterproof paper lined cotton and burlap must be of even strength—the bag seaming must be dependable and stand up under the pressure of weight and handling. Our plants have supplied millions of bags for use in combat areas. Back here at home bags must move a long list of essentials ranging from hygroscopic chemicals to food items. Many Fulton Waterproof Paper Lined Bags are replacing containers made of critical materials—metal drums, wooden boxes and barrels. We will continue to serve for war and the home front to the limit of our ability.

FULTON BAG & COTTON MILLS

Manufacturers Since 1870

Atlanta St. Louis Dallas
Minneapolis New York New Orleans Kansas City, Kan.

'Freon-12' Backlog Of Production Sizable

Two new plants for the manfacture of "Freon-12" fluorine refrigerant have now built up a backlog of production capable of meeting military demands and at the same time restoring cool comfort this summer to theatres, hotels, office buildings, restaurants, amusement centers and other places.

This has been disclosed by Kinetic Chemicals, Inc., a subsidiary of the E. I. du Pont de Nemours & Co., Wilmington, Del., commenting on a ruling received by the company from the WPB permitting suppliers to release the refrigerant for air conditioning to twenty-three broad groups of businesses that had been barred from using it except under emergency conditions.

Spencer Kellogg Offers New Linseed Varnish Oil

Spencer Kellogg & Sons, Inc., Buffalo, is offering a linseed varnish oil under the tradename 'Kelvitol,' which is said to have a light color and approximately half the acid value of similar oils with long cooks, plus highly improved waterproofness of film. The acid value of 'Kelvitol' at a Z-5 body is approximately 8.

Breinig Names Sinclaire Special Finishes Supervisor

Earl Sinclaire has been appointed supervisor of Breinig Brothers, Inc., specialized finishes department. Mr. Sinclaire has for many years been a consultant on installation of finishing room equipment and materials, and his services have been utilized by many prominent manufacturers.

N.Y. Mineral Survey Vetoed

Governor Dewey has vetoed the Ostertag bill directing State science service of state university to engage in magnetic survey of mineral resources of Adirondack region commencing in 1946 and continuing through 1955.

Ohio-Apex, Inc., Contracts For Battelle Research Plan

Ohio-Apex Inc., Nitro, West Va., manufacturer of plasticizers and chemicals, has completed contract arrangements with Battelle Institute, Columbus, Ohio, for an extensive program of research on the development of new synthetic organic compounds.

Gossman Leaves Dicalite

A. L. Gossman, formerly president and general manager of the Dicalite Company, has taken an office in the Security Title Insurance building, Los Angeles, Calif. Mr. Gossman and his associates sold their interests in the Dicalite Company to the Great Lakes Carbon Corporation in 1944, after which Mr. Gossman remained with the new organization in a consulting

Medicinal Creosote and Guaiacol Products

CREOSOTE, N. F.
CREOSOTE CARBONATE, N. F.
POTASSIUM CREOSOTE SULFONATE
BEECHWOOD CREOSOTE, U. S. P.

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CALCIUM GUAIACOL SULFONATE (Powder)
GUAIACOL CARBONATE, N. F. (Crystals)
GUAIACOL CRYSTALS, N. F.
GUAIACOL LIQUID, N. F.
MAGNESIUM GUAIACOL SULFONATE (Powder)
POTASSIUM GUAIACOL SULFONATE, N. F. (Crystals)

Write for current products list

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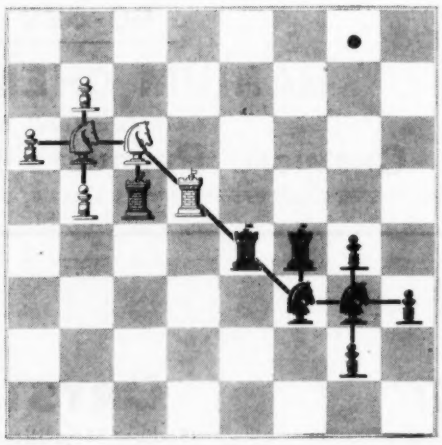

Perhaps chess was played before Brodie first began his investigations of Acetyl Peroxide in 1863; and certainly prior to a continuation of his studies by Vanino, Clover, Richmond, Gambarjan and Kharash. But its use was more risky than playing chess, for Kharash said of Acetyl Peroxide in the Journal of the American Chemical Society: "An outstanding peroxide of great usefulness but must be used on the spot (of manufacture) because of its sensitivity."

Chemists of the Buffalo Electro-Chemical Company, Inc., have developed a process for making solutions of acetyl peroxide which are perfectly safe to handle. It can, at present, be furnished in laboratory size samples only. It is a 30 percent solution of acetyl peroxide in dimethylphthalate, water white, non-explosive and immune to shock and impact.

Besides its value as a polymerization agent, other interesting applications include its use as a germicide, a bleaching and oxidizing agent, and in vulcanization. It has great possibilities in organic synthesis as it is very reactive and offers a source of active oxygen in a non-aqueous medium. Write for laboratory samples to:

ACTIVE OXYGEN IS ON ACTIVE DUTY

Other Becco Products:
Electrolytic Hydrogen Peroxide, 100 vol. (27.5% by weight)
Ammonium Persulfate**
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**Available in research quantities only at present.*
***Will be available after the war.*

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CALCINED MAGNESIA— for neoprene compounding
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Exceptional Purity

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LOTTE CHEMICAL CO., Inc.
Manufacturers
PATERSON NEW JERSEY

Agricultural Chemicals

Buying interest continued active for fertilizer materials last week. The impetus given demand by an early Spring remained undiminished, while stocks in many instances have been drained, leaving the markets definitely tight. Late buyers have experienced difficulty in getting their full quota of materials. It is claimed that expectations of the ending of the European was last Fall curtailed the early buying movement and this hesitation is now being realized in an unusually heavy call for most every material necessary for Spring cultivation. An additional allocation of a limited amount of ammonia sulphate has been made available to users East of the Rocky Mountains.

Consumption of fertilizers in the United States in 1944 is placed at 12,072,000 tons by the National Fertilizer Association. This was 609,000 tons above consumption in 1943 and was the largest ever used in any year.

Nitrogen unit of WPB has notified fertilizer manufacturers and ammonia sulphate producers East of the Rocky Mountains that there seem to be limited additional supplies of ammonia sulphate in the hands of producers that can be used in the manufacture of mixed fertilizers. Manufacturers in such states may place orders for April and May shipments, in excess of previously assigned tonnages. Orders may be placed with any supplier who is in position to accept and fill them without adversely affecting shipments against previous commitments.

Large scale production of fertilizers in Travancore, India, is to be started in 1946 by a company with a capital of a about $15,131,000, according to trade reports reaching the Department of Commerce. The anticipated output of 50,000 tons of ammonia sulphat annually is expected to provide employment for 4,000 workers.

Nitrogenates

Ammonia Sulphate — Bureau of Mines gave February production at 125,007,295 pounds against 134,662,492 pounds in January, a loss of 7.2 percent. Production during February, 1944, was 129,112,849 pounds. Output, first two months of 1945 was 259,669,787 pounds, compared with 264,863,631 for the same period in 1944. Stocks at the end of February were 93,958,680 pounds, against 120,762,954 pounds at the end of January and 51,066,418 pounds at the end of February a year ago.

Bone Meal—Short stocks make it difficult for buyers to cover requirements. An active demand was reported for both raw and steamed varieties at ceiling prices for feed and fertilizer uses.

Castor Pomace—No easement in the supply position. Current production reported sold ahead and no additional lots seem to be reaching the market.

Dried Blood—Limited offerings have restricted trading. Current demand has run somewhat ahead of production, holding the market in a definitely tight condition.

Hoof Meal—Occasional carlot sales were reported at former price levels for fertilizer use. Limited output appears to find buyers as soon as available.

Soda Nitrate—Requests for this matrial are being supplied through domestic production and foreign importations. Demand was reported steady with material moving as soon as available. The War Shipping Administration has announced that a rate of $16.50 per ton, plus a surcharge of 32 percent, is to be applied on shipments of nitrate of soda from Chile to Antwerp, Belgium, in bags in vessels operated for the account of the WSA. The announcement was contained in rate advice No. 117 and is effective on loadings completed on and after April 2.

Tankage—No extra offerings have reached the market, although demand continued active. Curtailment in packing house operations has been reflected in a smaller output of tankage.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

Fertilizer Materials

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

Phosphates

Phosphate Rock—Demand for mine shipments was reported active. Acidulators are experiencing a heavy call for superphosphate, and are taking all the rock they can handle in an effort to satisfy requirements. According to trade reports, April will be another big month for the movement of both Florida and Tennessee material.

Superphosphate—Production of superphosphate in February at 120 plants reporting to the National Fertilizer Association amounted to 448,000 tons of 18 percent of a-p-a. This represented a decline of about 35,000 tons or 7 percent from February, 1944. The decline slightly more than offset the increase in January, with the result that total production in the first two months was a little less this year than last. Stocks on hand at the end of February were 665,245 tons, including wet base and concentrated, compared with 631,505 tons at the end of February in 1944.

In regard to bagging superphosphate, amendment 58 has been added to section 1499.46b to read as follows: —Bagging of superphosphate for any governmental department or agency, when performed by a person other than the producer at a plant or place other than the plant of production of the superphosphate. This amendment became effective April 12.

Potashes

Steady shipments against orders approved by WPB which represent allocations for period five. Maintenance of heavy production has kept the supply position favorable, although the boxcar situation has delayed transportation in some instances. The early Spring has stimulated demand for nearby delivery.

Markets at Other Centers

Atlanta, April 13—Weather has at last favored land preparation in the South, which in turn, has increased the urgency of farmers for fertilizer deliveries. Transportation by both railroads and trucks is inadequate for prompt handling of fertilizer shipments. Accumulation of orders are, however, permitting full capacity loadings to destinations and efficient use of available transportation facilities. Various fertilizer materials are still in demand with fertilizer manufacturers in doubt about their arrival in time for Spring use. Sulphate of ammonia and superphosphate are reported as the tightest items. Factory output continues to be hampered by the labor shortage.

Chicago, April 13—Moderately good buying of various grades of nitrogenous fertilizer materials has been the order of the day in recent weeks and no change is indicated currently. The market is being fairly supplied, with most grades of products, with buyer interest brisk. Blood was in fair call, tankage quiet. Bone materials held their own. Dried Blood—Principal grade, $5.53 per unit of ammonia. Bone Materials—Ground, steamed bone, 3 and 50 percent, $35 to $36 per ton; cattle jaws, skulls and knuckles, $45 per ton; dry, rendered tankage, hard pressed, $1.25 per unit; 50 percent meat and bone scraps, $68 to $70.

Los Angeles, April 13—All agricultural chemicals remained in good demand here this week. However, supplies of practically all materials limited trading. Fish meal was in keen demand at ceiling prices, but orders went unplaced because of the negligible market supplies. Ruling prices are:—Ammonia Nitrate—$65 per ton with freight allowances up to $4.40 per ton from production plant. Ammonia Phosphate—$48 per ton for 16/20 grade and $57 for 11/48, delivered at California plant. Fish Meal—$77.50 per ton in cars for 67 percent protein California sardine meal, f.o.b. production plant, plus $2 merchandising.

Insecticides

Spotty conditions have continued to feature the supply outlook for fungicides and insecticides while complications surrounding distribution offer possibilities distinctly unfavorable to late buyers. The supply of paris green forecasts a tight market position and the same can be said of calcium caseinate. Nicotine sulphate is an exception to the early buying theory. The tight conditions current have made it desirable to purchase at the time and place of requirements. Unless there is some easement from the critical position of benzol, phenols will probably remain tight. There will probably be enough carbon bisulphide to meet agricultural wants and probably enough carbon tetrachoride will be allocated. For seed protectants, mercurials will likely be adequate, but copper oxide is distinctly tight and without sign of easement.

Leafspot fungus, first discovered in Italy in 1899, has now probably spread to every country engaged in soybean production, according to an emergency plant disease prevention project report.

Sulphur and Pyrites

Continued demand was reflected in constant heavy shipments of sulphur from mines while the supply position seemed adequafe to meet about all requirements that might develop. Any delays in the movement have not proved serious, as the larger consumers carry reserve stocks to meet such contingencies. Spanish pyrites was reported quiet and unchanged.

Lodge Made Secretary

F. S. Lodge has been designated to serve as general secretary of the National Joint Committee on Nitrogen Utilization and of the National Joint Committee on Fertilizer Application.

Oesting Gets Paul-Lewis Post

Ralph B. Oesting has been appointed director of research and development for the Paul-Lewis Laboratories, Milwaukee.

Sicilian Sulphur Producers Form Ass'n

Sicilian sulphur production was seriously affected in 1944 by war conditions. In the fiscal year 1942-43, 74 of the existing 150 mines were in operation, but in 1944 the number was reduced to 30 according to the Department of Commerce. Production, which had averaged 300,000 metric tons annually during the five-year period 1937-41, dropped to 93,000 tons for the fiscal year 1942-43. In the fiscal year 1943-1944, only 9,441 tons were produced. Sicilian sulphur producers have formed their own organization, the Ente Zolfi Siciliani, and are no longer under the control of the Ente Zolfi Italiani, which formerly handled all sales for Italian sulphur mines.

Fulton Bag Buys Grimes Bag Company

The Fulton Bag & Cotton Mills, Atlanta, Ga., has purchased the assets of the Grimes Bag Company, Denver, Col. Eugene Revelle, for many years in charge of the Denver office, will be the manager. The Fulton Bag & Cotton Mills is marking its seventy-fifth anniversary.

Fertilizer Tag Sales: March

	Equivalent tons—March		Jan.-Mar.
	1945	1944	1945
Virginia	101,009	74,463	248,065
North Carolina	292,216	260,970	822,138
South Carolina	196,930	171,675	505,978
Georgia	292,404	261,341	679,109
Florida	73,290	79,580	274,682
Alabama	164,000	161,000	421,000
Mississippi	76,250	74,199	218,167
Tennessee	52,875	44,625	119,250
Arkansas	21,550	16,775	68,950
Louisiana	25,275	45,250	88,086
Texas	35,745	33,109	100,125
Oklahoma	3,600	2,112	11,662
Total South	1,335,144	1,225,699	3,608,112
Indiana	34,556	33,275	117,612
Illinois	16,850	18,600	75,925
Kentucky	29,052	39,173	117,445
Missouri	24,628	13,243	72,137
Kansas	710	2,685	12,915
Total Midwest	105,796	106,976	396,034
Grand total	1,440,940	1,332,675	4,004,146

For Current prices see alphabetical listing beginning on page 9.

Sulphur

Commercial Flour
Semi-refined Roll "Cone" Sulphur
Lightnin Brand Dusting Sulphur
Magnolia Brand Conditioned Dusting Sulphur
Blossom Brand Wettable Sulphur
Mohair Brand Wettable Sulphur
Rubbermakers Sulphur (ground to specifications)
Texas Yellow—Refined Flowers of Sulphur
Sulphur Insecticide Mixtures
Sulphur Calcium Arsenate Mixtures
Sulphur Cryolite Mixtures
Sulphur—Pyrethrum & Rotenone Mixtures

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MADE IN THE U. S. A.
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THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
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Large stocks carried at all times, permitting prompt shipments . . . Uniformly high purity of 99½% or better . . . Free of arsenic, selenium and tellurium.
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Mine: Newgulf, Texas

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BENZOL • TOLUOL • XYLOL

SOLVENT NAPHTHA • NAPHTHALENE

HI-FLASH SOLVENT

PHTHALIC ANHYDRIDE

DIBUTYL PHTHALATE

NIACIN (Nicotinic Acid)

PYRIDINES • PICOLINES • QUINOLINE

TAR ACID OILS

NEUTRAL COAL-TAR OILS

CREOSOTE OIL

CUMAR* (Paracoumarone-Indene Resin)

CARBONEX* • CARBONEX S*

RUBBER COMPOUNDING MATERIALS

BARDOL*

HYDROGENATED COAL-TAR CHEMICALS

FLOTATION AGENTS

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AMMONIA LIQUOR

SULPHATE OF AMMONIA

AMMONIUM NITRATE

ARCADIAN* THE *AMERICAN* NITRATE OF SODA

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THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

The Barrett Company, Ltd., 5551 St. Hubert Street, Montreal, Que.

Barrett

ONE OF AMERICA'S GREAT BASIC BUSINESSES

Coaltar Chemicals

Pressure, principally for military requirements, has kept basic coaltar chemicals under high tension throughout the past week. Trade reports indicated that in some instances producers were behind in their allocation shipments. The program for aviation gasoline has called for unusually heavy shipments of benzol and the necessary cutback for other requirements has been reflected in the short production of various intermediates derived from this base. Naphthalene maintained its former tight position. It was stated that no material was made available for mothproofing except on high rated orders that could be traced directly or indirectly to the government. There was no easement in either toluol or xylol. Curtailed phenol production was distributed to essential industries and the same might be said of cresylic acid. Benzol stringency held the anilin oil market tight and all the anilin intermediates were in short supply. In some quarters it was reported that diethylaniline and methylaniline were practically unavailable for civilian use. Resoreinol held the same tight position recently noted. Hydrogenated solvents were channeled almost entirely for government use.

Production of coke byproducts for the month of February showed losses, compared with January except creosote oil which was up one percent. Ammonia liquor was off 10 percent, naphthalene 6.4 percent, tar 9.6 percent and ammonia sulphate 7.2 percent.

Steel operations for the week beginning April 9 were scheduled at 94.3 percent of ingot capacity, compared with 96.9 percent for the previous week, according to the American Iron and Steel Institute. A month ago the indicated rate was 94.5 percent. The present schedule is equivalent to the production of 1,728,100 net tons of ingots and castings, compared with 1,774,900 tons for the preceding week and 1,768,000 tons for the corresponding week in 1944.

Basic Products

Benzol—Military demand was reported unusually heavy for this material and in some instances, producers have experienced difficulty in keeping up with allocations. Under such conditions, the amount available for civilian industries has been restricted and the market's supply position has remained definitely tight.

Coaltar—February production was 57,659,731 gallons, compared with 63,776,926 gallons in January, according to figures compiled by the Bureau of Mines. Production for the first two months amounted to 121,436,657 gallons against 127,933,979 gallons for the same period in 1944. Stocks at the end of February were 32,739,939 gallons, compared with 33,035,354 gallons at the close of the preceding month and 36,479,324 gallons at end of February, 1944. Purchase of a limited quantity of tar acids from Australia is contemplated by the Foreign Economic Administration, it is disclosed with the issuance by the Office of Price Administration April 9 of an amendment to its ceiling regulation on tar acids purchased by the government to extend its ceilings to acids from Australia.

Creosote Oil — Bureau of Mines placed February output at 3,055,632 gallons, compared with 2,023,886 gallons in January and 3,581,558 gallons for February, 1944. Production for the first two months was 6,079,518 gallons against 6,965,863 gallons for the same period last year. Stocks at the close of February were 894,588 gallons, compared with 819,538 gallons at the end of January and 2,184,477 at the close of February, 1944.

Cresylic Acid—No easement in supply conditions could be noted. Demand for essential requirements was broad enough to keep supplies of domestic and imported tight. The movement for use in the manufacture of tricresyl phosphate gave no indication of relaxing.

Revised MPR No. 192 has been amended by inserting after the words "United Kingdom" wherever they appear the words "and Australia." Amendment effective April 16.

Naphthalene—Production for February was 6,886,125 pounds, according to the Bureau of Mines. January production was 7,358,866 pounds, while February production in 1944 was 9,121,505 pounds. Output for the first two months was 14,244,991 pounds against 18,489,880 pounds for the corresponding period in 1944. Stocks at the close of February were 2,682,260 pounds, compared with 2,085,135 at the end of January and 2,990,248 pounds at the end of February, 1944.

Phenol—Stringent conditions prevailing in benzol have prevented any expansion in phenol output. A steady miscellaneous inquiry was reported while distribution proceeded under WPB regulation.

Toluol—Continued heavy withdrawals for military use have prevented any improvement in the market's supply position. Reported that essential requirements have been covered, leaving the market in a distinctly tight condition.

Xylol — Reported definitely tight with steady withdrawals in progress to meet essential requirements. The movement has kept the civilian supply restricted and without much chance of easement until the European war is ended.

Chicago, April 13.—Call for coaltar bases has been holding firm. Movement of material on contract is good overall. Benzol business is still active and a generally good tone prevails. Ruling prices exclusive of tax are:—Benzol, pure, in tankcars, freight allowed up to 2c. per gallon, 15c. per gallon; toluol, 2-degree, same basis, 28c.; 10-degree xylol, same basis, 30c.; industrial xylol, same basis, 27c. solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Possibly, the best that can be reported about these solvents is that the most important requirements are being covered. Production has been pinched to meet these wants and the amount available for civilian use has been seriously cutback. Those who were receiving shipments early in the year are confronted with a definitely tight supply position.

Coaltar Acids

Anthranilic — Demand reported steady for requirements essential to the war effort. Production has moved out, readily leaving the supply position tight.

Benzoic, Technical — Essential requirements have been getting this acid. Production restricted by difficulty in securing basic material.

Fumaric—Most of current production reported to be channeled to synthetic resin manufacturers. Supply position tight under restrictions prevailing in basic products.

Gamma—Manufacturers of dyestuffs are getting most of the available material. Production not large at present, and supply position showed no signs of easement.

Maleic — Anhydrous reported in steady demand for use in making synthetic resins. Drain on production has kept the supply position tight.

Picramic—Output has covered re-

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
129.2	129.2	129.2	129.2

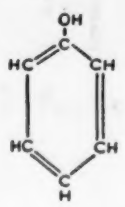
Coke By-Products

Estimates of by-product coke-oven operations in the week ended April 7 indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	1,159,157
Ammonia sulphate	lbs.	30,016,059
Benzol		3,782,511
Coaltar	gals.	14,031,898
Creosote oil	gals.	780,906
Naphthalene	lbs.	1,854,651
Phenol	lbs.	219,630
Toluol	gals.	756,052
Xylol	gals.	170,823

For Current prices see alphabetical listing beginning on page 9.

KOPPERS



Natural **Phenol**

Koppers' entire production of phenol is derived from the natural tar acids present in coal tar from by-product coke ovens. Because it is associated with cresols and xylenols, as it occurs in coal tar, its composition can be adjusted to contain varying amounts of these other tar acids for processes which require blended acids. Koppers Phenol is available not only with melting points of 39°C. and 40°C., but also as 90% Phenol with about 10% ortho cresol, and as 82% Phenol with 2% to 3% meta-para cresol and the remainder ortho cresol. All blends of phenol and cresol required by industry are offered by Koppers. Samples gladly furnished upon request.—Koppers Company, Inc., Tar and Chemical Division, Pittsburgh 19, Pennsylvania.

KOPPERS

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quirements essential to the war effort. Supply for other uses reported exceedingly limited.

Other Intermediates

Anilin—Shipments of oil reported confined to the most essential industries. Restricted production brought about by the stringency in benzol has kept the supply short and the tight position was reflected in several of the intermediates derived from an anilin base.

Diethylanilin—Reported doubtful if more than odd lots of this intermediate could be located at present. Production cutback owing to difficulty in securing basic material.

Dimethylanilin — Available stocks definitely short through restricted production. Limited anilin supplies could be traced back to benzol.

Orthochlorophenol — Production reported down, but essential requirements are being covered. Can't increase output under present restrictions and regulations.

Orthodichlorobenzene—Stocks short under limited production and a steady miscellaneous consuming inquiry. Restrictions and regulations have kept output down.

Parachlorophenol—In similar condition to other intermediates where basic problems have made it difficult to maintain output with any degree of regularity.

Phthalic Anhydride—Demand for synthetic resin has kept well above the current state of production and the market has not relaxed from its former tight position. The call for naphthalene for the manufacture of phthalic anhydride has continued heavy.

Coaltar Colors

With most of the textile mills operating on government orders, dyestuffs necessary for army and navy shades have continued in active demand. Restrictions and regulations have curbed production of colors for civilian use to give way to military requirements. Certified colors are moving to the drug, cosmetic and food industries as usual, small lots commanding the most attention.

Chemical Trends Report Released by Government

"Chemical Trends and Developments," a report released by the Department of Commerce, presents an overall picture of conditions in the chemical industry. The report appears as Part 2 of the Industrial Reference Service—chemicals, drugs and pharmaceuticals—and is one of a resumed series, discontinued in 1941 for security reasons, dealing with various phases of the chemical industry. It was prepared by the staff of the Chemical Unit of the Bureau of Foreign and Domestic Commerce, under the general direction of C. C. Concannon, chief of that unit.

The report will be issued from time to time and will review the industry from the viewpoint of six major divisions—inorganic and organic chemicals, fertilizers, insecticides, plastics, and paints and varnishes. It will also include a section covering certain international aspects.

Statistics embodied in the series, covering production, shipments, stocks, exports, imports, etc., are collected by the Bureau of the Census, Tariff Commission, Bureau of Mines, War Food Administration and the Bureau of Labor Statistics. The report summarizes the situation in inorganic chemicals, organic chemicals, fertilizers, plastics, paints, varnishes and lacquers, as well as the international chemical industries.

Available in parts covering selected services and commodities, the Industrial Reference Service may be purchased at an annual subscription rate of $2. The price of the current report is 5 cents per copy. It is for sale by the Superintendent of Documents, Government Printing Office, Washington 25, D. C., or by field offices of the Department of Commerce.

Fassnacht Joins Jacques Wolf

Frank L. Fassnacht recently became associated with Jacques Wolf & Co., manufacturers of chemical specialties for the textile and tanning industries, Passaic, N. J. Mr. Fassnacht will make his headquarters in Boston, and will call on the trade in Mass., Vt., N. H., and Me.

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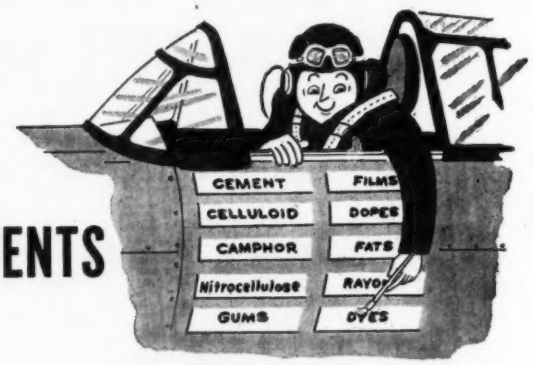

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Protective Coatings Materials

Reversing the old recommendation, "in time of peace, prepare for war," manufacturers of protective coatings and their principal ingredients are now planning to prepare for peacetime, or at least a partial peacetime, with the advent of V-E Day which now seems to be drawing nearer every day.

Although realizing the needless character of arranging for reconversion of their industry to a full peacetime basis, the moment that Nazi Germany's defeat becomes a fait accompli, leading exponents of this industry are convinced that they should lose no time in getting into position for readjusting their business to federal government's reconversion blueprints which are said to be nearly completed to meet the changes that will be necessitated by the ending of the war in Europe but still in the period before the war in the Pacific is terminated.

It is now known definitely that the government is already ready with post-European-war plans, which it has been quietly formulating throughout the months preceding complete victory of the Allied arms across the Atlantic, and it is believed that these plans call for cutbacks in war production ranging in all from 15 to 20 percent for the first three months following V-E Day. While it is possible that these cutbacks will be reflected in the protective coatings industry by diminution in the government's purchases amounting initially to only 10 percent to 12 percent, it is obvious that even so relatively slight a reduction in the paint, varnish and lacquer trade's military orders would require some scurrying around to secure sufficient civilian business to compensate for this drop in the volume of such orders.

But, in order to build up civilian business to this extent, it would be necessary for the War Production Board and War Food Administration to lift their present tight restrictions on linseed and almost all other drying oils, on metallic lead and zinc and the numerous lead, zinc, titanium and other white pigments as well as on virtually all synthetic resins and lacquer materials designed for civilian enduses. And none of these government agencies has any known intention of easing these restrictions to any notable extent while military requirements are maintained on a comparatively high plane for completion of the war in the Pacific and while lend-lease needs keep up in large volume.

Metallic Lead and Zinc

Enforcement of WPB's order M-38 has brought about such a notable curtailment of civilian account consumption of pig lead as to obviate further depletion of the Defense Supplies Corporation's stockpile, despite the disappointingly slow and meager character of the much-heralded improvement in domestic production of lead. But the present shortage in the government's supply is deemed sufficiently serious as seemingly to preclude all likelihood of sufficient amplification of this supply to warrant the granting of materially increased quantities to pigment makers for civilian paint enduses even after V-E Day, for as long as munitions production for the Pacific war continues, it is considered improbable that there can be an adequate buildup of this stockpile to satisfy government requirements and allow of a more liberal distribution to non-military accounts. The Bureau of Mines reports domestic mine production of lead for February as amounting to 31,298 tons, a decline of 3,102 tons from the January yield. Prices for pig lead have remained unaltered for the week April 6-13 at 6.35c. per pound in St. Louis and 6.50c. in New York.

While allocations of zinc slabs to pigment makers continue to be cut down to comparatively small percentages, there is still a moderate supply of zinc and zinc-lead ores available for the processors of leaded zinc oxides and of the American process leadfree oxides. The Bureau of Mines reports domestic production of zinc as amounting to 58,188 tons, derived from the production of zinc concentrates by individual and custom mills, showing a decrease of 3,481 tons, or approximately 6 percent, from the January output. Quotations for zinc slabs have continued unchanged for the week April 6-13 at 8.25c. per pound in East St. Louis and 8.66c. in New York.

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

Pigments

White Lead—The demand for this pigment for civilian enduses continues to run far in excess of the supply alloted for non-military purposes, which is not likely to be made any more liberal even after V-E Day, until the ending of the war in the Pacific. WPB's Chemicals Bureau and the Census Bureau report the production of basic carbonate white lead for February as having amounted to 2,186 short tons, compared with 5,078 tons for January, and stocks on February 28 as reaching 3,795 tons, compared with 3,514 tons as of January 31, while also reporting the production of basic sulphate as having aggregated 821 tons, against 1,004 tons for January, with stocks at the close of February 28 at 66 tons, contrasted with 187 at the end of January.

Zinc Oxide—The supply situation in both leadfree and leaded types of zinc oxide continue tight, with the former under complete allocation control and without much likelihood of a more liberal allotment to any but military and synthetic rubber making accounts, even after V-E Day and with only a slim possibility of an increase supply of leaded zinc oxide in the in the supply of leaded zinc oxide in the event that Germany's defeat may result in cutbacks in the zinc oxide and paint requirements of the military sufficiently sizable to permit of greater use of the leaded type for civilian paints.

Fillers and Extenders

Chalk—A steady movement continues to be noted of both domestic and imported chalk into consuming channels, with prices well maintained. An arrival of 850 bags of precipitated chalk is noted.

Talc—A keen demand for fibrous talc is still being recorded while requests for the other grades for various purposes continue equally urgent. To insure an adequate supply of talc for camouflage paint and other direct military needs, WPB has established a new "preferred order" preference rating pattern for such uses in an amendment to order M-239, wherein these preferred orders will take precedence over all of the currently established numbers in the priority system with the exception of the AAA emergency rating. Purchasers claiming preferred-order status must certify that their end uses are for military or certain specified civilian uses mentioned in the order. WPB's miscellaneous minerals division reports that consumption has been running at about 320,000 tons annually, with production slightly lower, with the result that consumers' inventories have been reduced to approximately one and a half month's average supply, compared with higher inventories in 1944.

Dry and Chemical Colors

Carbon Black—Although current takings of the synthetic rubber tire

For Current prices see alphabetical listing beginning on page 9.

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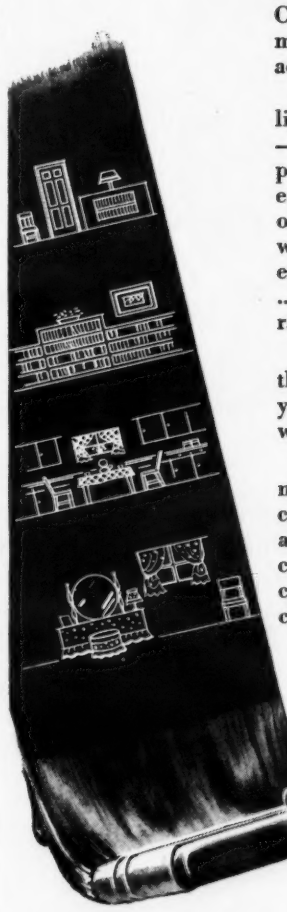

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makers in the so-called rubber grades of channel blacks continue to outstrip current production, causing a further reduction of inventories of all channel blacks, it is now expected that the tremendous expansion of production facilities, now being rushed to completion under AA-1 priorities, will soon prove sufficient to meet these hugely increased demands for the compounding of tires for military uses and will thereby bring about a readjustment of production and consumption, so that there will be no further drainage of stocks. The limitations recently placed on the manufacture of synthetic rubber tubes for civilian passenger cars and small truck tires, which will make available 1,000,000 pounds of carbon black a month for the production of heavy-duty truck and bus tires, will serve only as a partial check on the current drain on stocks. And there is no prospect for a notable curtailment of the demand for tires for several years after the re-establishment of peace throughout the world. Paint makers are still limited in their procurements of the channel blacks to meager quantities of the uncompressed grades.

Driers and Flatteners

Tallates—With an army of paint and varnish makers, who have been denied authorization to buy naphthenates, having recourse to tallates on an ever-increasing scale and thereby adding to the ranks of regular purchasers, the market for these drying agents is growing stronger daily, with many producers reporting their plant capacities booked well in advance, to the extent that they can take new orders only from old customers.

Stearates—With the call for these flattening agents constantly mounting, most producers are experiencing difficulty in filling all the proffered orders.

Lacquer Materials

Acetone—With military demands still running high and indicating little chance of diminishing materially until V-E Day, the supply situation is growing tighter daily. There is a remote chance, however, that, if some of the plant capacity now devoted to the production of isopropyl alcohol is appropriated for the making of this solvent, its output may be so amplified as to ease the present tension considerably.

Dibutyl Phthalate—Following announcement of a markup of three-tenths of a cent per pound in the quotations made by the next-to-lowest-price producer for the April 10-May 9 period, the lower price manufacturer has lowered his quotations for this period by one-tenth of a cent to a basis of 19.4 cents in tankcars while another processor has reduced his basic figure by three-tenths of a cent, making his revised price for the new period 21.4 cents in tankcars.

Naval Stores

Abietic Acid—The War Food Administration reports having bought on behalf of the Commodity Credit Corporation for lend-lease purposes 250 pounds of this product of gum rosin and glacial acetic acid in drums from the seller's warehouse in Hattiesburg, Miss.

Rosin—Further delay in the issuance of the long-awaited uniform ceiling prices on gum rosin has resulted in a continued withholding of offerings, this past week, not only on the Savannah Naval Stores Exchange but also at all interior points in the production area of the South. Although it now appears difficult to induce the War Food Administration and War Production Board to rule that a greatly increased production of gum rosin is necessary to a continuance of the successful war effort, and that the best incentive for swelling the output lies in the naming of higher maximum prices for the various grades, the naval stores industry in the South is still hopeful that the Office of Price Administration will eventually obtain the approval of these first-mentioned bureaus, and also that of the Economic Stabilizer, to the establishment of uniform ceilings well above those fixed last October for gum rosin dealt in on the Savannah Exchange.

Savannah, April 13.—Following is a record of the market for the week:—

	Price per unit—Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$5.05	$5.05	$5.05	$5.05	$5.05
D	5.12	5.12	5.12	5.12	5.12
E	5.65	5.65	5.65	5.65	5.65
F	5.75	5.75	5.75	5.75	5.75
G	5.79	5.79	5.79	5.79	5.79
H	5.81	5.81	5.81	5.81	5.81
I	5.81	5.81	5.81	5.81	5.81
K	5.85	5.85	5.85	5.85	5.85
M	5.87	5.87	5.87	5.87	5.87
N	6.03	6.03	6.03	6.03	6.03
WG	6.28	6.28	6.28	6.28	6.28
WW	6.55	6.55	6.55	6.55	6.55
X	6.55	6.55	6.55	6.55	6.55
	Drums				
Sales	...	...	...	...	104
Receipts	48	134	81	81	36
Shipments	...	...	70	...	57
Stocks	1,849	1,983	1,994	2,075	2,054

Turpentine—The recent heavy withdrawals from the CCC's stockpile for lend-lease as well as for domestic consumption purposes, which has carried the government's stocks down to 117,004 units of 50 gallons each, have

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been devoid of any reflection in the open market price of gum turpentine, which has continued to be firmly held at 80 cents per gallon, as the government stockpile is still substantial and new crop gatherings are coming to hand in a steadily increasing volume.

Savannah, April 13.—Following is a record of the market for the week:—

	Bulk gallons— Cents.	Sales.	Barrels— Receipts.	Shipments.	On hand.
Monday ..	80	850	...	...	15,374
Tuesday ..	80	...	45	370	15,052
Wednesday.	80	3,950	18	283	14,787
Thursday..	80	...	21	...	14,808
Friday ...	80	1,850	19	198	14,629

Synthetic Resins

Ester Gum—A more equitable distribution of this gum among non-preferred users is now reported to be resulting from the application by producers of the newly promulgated preference order M-340 which, by holding down the authorized rated priorities to military accounts and wire-cable making interests, when equipped with proper certifications, has assured a greater quantity for division among civilian-use consumers after the filling of the rated orders. Although ester gum made with gum rosin is commanding the higher prices necessitated by the shortage and greatly increased cost of gum rosin, the gum made with wood rosin continues to be quoted at the old schedule prices.

Varnish Gums

Asphaltum—A sizable demand continues to be noted for pitch compounds, gilsonite and petroleum-base types of asphaltum, with the movement of these commodities steadily mounting. ODT has announced that permits must be obtained from it to ship and transport asphalt and tar for use in road surfacing for distances of 500 miles or more, but that this regulation does not apply when such products are to be used for industrial purposes or for military purposes, if consigned on government bills of lading.

Copal—With no additional large arrivals of Congo copal in sight and with importers still awaiting the long-overdue issuance by WPB of the licenses covering the 1,000 tons of this natural resin allocated to the U.S.A. by the Raw Materials Board for the second quarter of this year, the local market affords only the meagerest sort of offerings in this gum.

Shellac—A few rather vague offers of lac from the Bysaikhi or principal Spring crop are now being made from the country of origin, but as yet few instances are noted in which specific quantities are being proffered and little is being done toward accepting these offers. While some greatly needed additional lots of seedlac and T.N. may be forthcoming from the Bysaikhi crop in cargoes reaching here in May and June or in the June-July period, there is likely to be a further

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shortage of these types of lac in the interval before then. Arrivals of 475 bags of seedlac as well as 400 bags of buttonlac and of 2,125 bags of otherwise unspecified shellac have just been recorded but there is seemingly little more of the Kusmi crop to reach here, and only a slim chance that the Defense Supplies Corporation may release more of these greatly needed types from its stockpile.

Glues and Binders

Casein—Aside from the arrival of an additional cargo of 14,672 bags, weighing 1,689,000 pounds, of Argentine casein, there has been no new development of importance in the market for this material within the past week. Prices continue firmly held at previously noted figures. Domestic production continues relatively small.

Glues—Tension in the market for hide and processed bone glues is steadily increasing, as WPB's allocations to consumers for the second quarter are proving 5 percent to 10 percent less than those for the first quarter, with the unusually early advent of mild Spring weather strongly suggesting a further curtailment of production with the arrival of intensely hot weather at the very outset of the Summer season.

WPB Penalizes True-Tagg Paint Co.

True-Tagg Paint Company, Memphis, Tenn., has been ordered by the War Production Board to reduce its acceptances of Class A pigments by 657 pounds per quarter during the second, third and fourth quarters of this year below the amount it is entitled to under M-370 because of alleged violations of the order in 1944.

The paint manufacturing firm also was ordered to reduce its acceptances and use of container board content of new fiber shipping containers during each of the second and third calendar quarters of this year by 7,300 square feet under the quota it would otherwise be entitled to accept and use for these periods under L-317 for alleged violations of the order in 1943 and 1944.

Nylon Broad Use As Brush Bristle Told

E. I. duPont de Nemours & Co., Wilmington, Del., reports that more than 1,500,000 brushes bristled with nylon filaments have been supplied to the U. S. Navy. The company pointed out that the production facilities developed to provide the huge quantities required by the armed services assure a domestic source of bristle that is expected to open up new fields in the post-war market for top-quality paint brushes.

Protective Coatings Booklet Available

Reilly Tar & Chemical Corporation is distributing a booklet describing protective coatings for metal, brick, cement and wood surfaces. The booklet also describes 'Creocote' paint for creosoted wood block floors, poles, guard rails and posts and lists, many other products. Copies of the booklet may be obtained by writing the company at the Merchants Bank building, Indianapolis 4, Ind.

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Petroleum Derivatives

A well-hedged promise, made this past week, by the Petroleum Administrator for War and Office of Price Administration, of a 50 percent boost in the supply of gasoline available for civilian motorists and of commensurately increased rations for these non-military vehicles, after the defeat of Germany, has served to unleash a flood of speculation as to what extent the now eagerly awaited advent of V-E Day will ease the present taut civilian supply situations not only in petroleum fuels, lubricants and solvents, but also in the liquefied petroleum gases and numerous other petroleum chemicals.

The PAW head's announcement anent a much more liberal allotment of ordinary gasoline to civilian motorists has suggested that an additional 100,000 to 200,000 barrels of such gasoline a day—sufficient to provide possibly as much as 50 percent more than at present to these motorists—may be available after Germany's complete collapse and surrender, if military requirements do not markedly increase above present estimates, and OPA's proclamation amplified this pleasing prospect by stating that this bureau was ready to increase gasoline rations just as rapidly as additional supplies for passenger car use are made available after V-E Day.

Solvents and Diluents

Aromatic Solvents—With the recent dissipation of fears for a possible contraction in the supply of xylol to be made available for the processors of these high-solvency aromatic naphthas, there has been a waning of the demand for the Class A materials, designated as reserved solely for military purposes and denied for all other uses, as government requirements in protective coatings of war vehicles have been cut back slightly of late. There is still a moderate movement in these Class A solvents, however, and a fair volume of business continues to be transacted in the Class B materials, also, as well as in blends of both classes.

Cleaners' Naphtha—Both military and civilian accounts are still pulling down relatively large stocks of this solvent.

Lacquer Diluent—Moving steadily into military and non-military channels in the paint industry.

Mineral Spirit—In unabatedly keen demand, with the bulk of the offerings being absorbed by military account, but with civilian interests also well represented in the buying.

Rubber Solvent—Being taken in its entirety, as rapidly as produced, by the synthetic rubber manufacturers, whose appetite appears insatiable.

Stoddard Solvent—Extensive purchasing of this dry-cleaning agent is noted on the part of both military and civilian accounts.

V. M. & P. Naphtha—While paint makers, engaged in war production work continue to obtain the major portion of the current offerings, there is also considerable buying on behalf of those making paint products for civilian end uses.

Markets at Other Centers

Chicago, April 13.—Though the bulk of all offerings in the petroleum solvents category in this area continues to be taken to supply government requirements, there is still a fair volume of business in these materials for account of civilian end uses. Prices are being well maintained throughout the list.

Los Angeles, April 13.—Conditions in the market for petroleum solvents on the Pacific coast continue generally steady, with the demand well ahead of production. Lacquer diluent, however, is reported somewhat easier here.

Lighter Fractions

Butane—Military needs for high-octane gasoline and synthetic rubber tires continue to run so high as to require all but a small portion of the current output of this liquefied petroleum gas. And, even the prospect for the speedy advent of V-E Day is not inspiring much hope for more liberal allotments for home cooking and heating or for civilian industrial processes, as there seems little chance for a material diminution of these

Market Trends

Prices Advanced

None

Prices Reduced

None

military requirements until the war in the Pacific is ended.

Heptane—In steadily increasing demand, with prices well maintained.

Hexane—A mounting buying interest is manifested for this liquefied gas. Market steady.

Octanes—Moving in constantly rising volume. Tone firm.

Pentanes—While military takings still far outstrip civilian use purchasing, a fair amount of business is also being reported on the latter score. Market strong.

Propane—Conditions exactly similar to those prevailing in butane are also noted in the market for this liquefied gas.

Petrolatums and Waxes

Microcrystalline Waxes—In increasingly brisk demand for domestic as well as export account, with standard process types leading in the movement.

Paraffin—As there has been no abatement in the government's channeling of crude scale wax into the plants of chlorinators, who continue to supply military and lend-lease requirements abroad, there has been no chance for the refiners to replenish, even partially, their greatly depleted stocks of refined products, the higher melting points of which are non-existent while the lower melting points are in decidedly scanty supply. An embargo on the exportation of paraffin wax to Mexico, effective immediately, has been announced by the Foreign Economic Administration.

Petrolatums—A steady movement into consuming channels continues to be noted in U.S.P., veterinarian and technical grades, with prices well maintained throughout the list.

White Mineral Oils—Buying interest in both U.S.P. and technical grades continues fairly keen. Leading producers are still adhering firmly to their price schedules and only occasional price shading is now reported on the part of small suppliers overstocked in some lines.

Fuels and Lubricants

Crude Petroleum—Little change has been recorded in the average daily rate of domestic production of crude oil within the past week, and it now seems unlikely that PAW's April recommendation to domestic producers, for an average daily yield of 5,156,960 barrels, will be reached before the end of this month. For the week ended April 7 the daily average yield amounted to 4,783,865 barrels, an increase of 2,450 barrels over that for the previous week.

Shipments of petroleum products for civilians from the Gulf coast to the East coast by tankships have been heavily curtailed within the past week, and are scheduled to cease altogether by the end of this month, because of the reecnt diversion of these tankers from this service to meet the military demand. In March, these tanker shipments had averaged 170,000 barrels daily. A decline has also been recorded in the tankcar movement of petroleum products into the East for the week ended April 8, when they averaged 540,588 barrels a day, as compared with 547,000 barrels for the preceding week.

Crude oil deliveries by the "Big Inch" pipeline for the week ended April 8 are reported to have averaged 300,725 barrels, compared with 308,069 barrels for the previous week. Crude oil runs to refineries for the same week have averaged 5,686,000 barrels daily, compared with 4,677,000 barrels for the previous week.

Gasoline—After explaining that OPA is ready to increase gasoline rations just as rapidly as additional supplies for passenger car use are made available after V-E Day, the OPA administrator has stated that two groups of motorists, who have been most severely curtailed during the war emergency will get first consideration when these additional gasoline supplies become available

For Current prices see alphabetical listing beginning on page 9.

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Oils, Fats, and Waxes

Market Trends

Prices Advanced
None
Prices Reduced
None
Comparative Price Indexes
(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
193.3	193.3	193.3	195.3

Developments in the oils and fats market during the week have not altered the tight supply situation. Trading was still restricted to holders of government priorities. Demand continued to exceed the supply of all materials. Prices were unchanged and firmly maintained at ceilings.

Increase in the hog support price and a larger 1945 fall pig production goal, planned to insure the largest practicable production and marketing of pork products, were announced April 11 by War Food Administration.

The national fall pig goal has been set at 37,000,000 head, 18 percent more than the number raised last fall. The hog support price has been increased from the present $12.50 to $13 a hundredweight, Chicago basis, for good and choice butcher hogs, all weights up to 270 pounds. The new support price will become effective immediately and continue to September 1, 1946—through the period when 1945 fall pigs will be marketed.

At the same time, Office of Price Administration announced that there would be no reduction before September 1, 1946, in the ceiling prices for live hogs from the present levels of $14.75 a hundredweight, Chicago basis, for butcher hogs and $14 for sows.

The record pig production of 1942 and 1943 was made possible by using the reserve stocks of grain that were on hand when we entered the war. About 240,000,000 more bushels of corn are available for livestock feeding now than a year ago.

Cottonseed Oil

Conditions in this market were firm and without change. A steady movement of crude and refined oils continued against allocation. Offerings of crude oil at mills in the South were scarce and bids at ceilings were turned down. An easier tone developed in cottonseed, peanut and soybean meals, although prices were maintained at ceilings.

Oil consumption during March totaled 264,833 barrels, against 208,375 barrels, for the same period last year. Visible supply of seed and oil was estimated at 1,776,500 barrels, comparing with 1,504,600 barrels, March, 1944.

Bleachable oil prices follow:—

	Cents per pound in tanks—High.	Low.	Close.
May	....	....	14.31 bid
July	....	....	13.90 bid
September	....	....	13.90 bid
October	....	....	13.75-14.10
December	....	....	13.50-14.05
March	....	....	13.25-13.75

Total sales, none.
Cash, 14.31c. nom.

Crude, Southeast, 12¾c.; Valley, 12⅝c.; Texas, 12½c. f.o.b. works (all prices ceilings).

Memphis, April 12.—Crude oil market quiet, though buyers were bidding at ceilings. Mills sold up against seed receipts. An easier tone prevailing for oil meals. Peanut and soybean meals offered at ceilings, but buyers appear well supplied. Cottonseed meal quiet and steady.

Linseed Oil

Reports from official sources were current that negotiations with the Argentine government were progressing satisfactorily in the exchange of fuel oil for flaxseed and official announcement of the consummation of the deal may be expected shortly.

Outside of an excellent call for oil against contracts, the market continued firm. A moderate demand also was reported on priority orders. Quotations were well held at former levels.

Advices from Winnipeg stated that, while exempting flaxseed and damp grain, the Canadian Wheat Board issued instructions effective April 16, that no country elevator or warehouse may ship to the lakehead more than one carlot of oats, barley or rye against two cars of wheat. The Board added that the early opening of navigation on the Great Lakes had placed a greater strain upon available stocks of wheat than other grains.

Linseed oil consumption totaled 27,805,066 gallons during the last quarter (October-December), 1944, an increase of 4.05 percent above the same period last year. Oil production for the last quarter in 1944 was placed at 21,569,199 gallons. Stocks of oil on hand were reported at 35,188,933 gallons on December 31, 1944. For the year 1944, oil consumption amounted to 126,588,930 gallons, indicating an increase of 1.23 percent over 1943. Production during the third quarter for 1944 was 34,215,999 gallons and consumption 37,578,132 gallons, according to the Flax Institute of the United States. Some 48,873,393 bushels of domestic and foreign flaxseed was crushed last year.

Minneapolis, April 11.—Oil trade was hemmed in by government orders, lack of seed supplies and rapidly declining stocks in crushers hands. Shipments are going ahead only on permits. The outlook was for a complete shutdown of mills within three weeks, unless flaxseed could be obtained from Canada or from Argentina.

Shipments of linseed oil, in pounds, were as follows:—

	1945-44	1944-43
This week	4,200,000	7,200,000
Since Sept. 1	148,140,000	205,630,000

Flaxseed—Scarcity of seed has reduced oil production to approximately 25 percent of capacity in the Northwest. Receipts continued light.

Minneapolis, April 11.—Cash flax operations continued routine at Minneapolis with small supplies absorbed on arival and little hope of further offerings in the near future. Supplies of flax remaining on farms were small and it was said that the bulk of the seed will be used for planting of the 1945 crop.

Crop movement in bushels follows:—

	Receipts 1945-44	Receipts 1944-43	Shipments 1945-44	Shipments 1944-43
This week	64,000	234,000	27,000	37,500
Since Sept. 1	10,347,600	19,560,000	1,554,500	2,374,000

Flaxseed markets at Minneapolis and Duluth during the week were unchanged at $3.10 (ceiling) per bushel for spot and forward deliveries.

Buenos Aires, April 13.—No flaxseed shipments were made during the week. Visible supply of seed was placed at 3,642,000 bushels. Argentine flaxseed was quoted at $2.26½ per bushel, nominal.

Hull, April 13.—Bombay, £32¼, April; Calcutta, £30¾, April; La Plata not quoted.

Other Vegetable Oils

Castor Dehydrated—Conditions in this market continue firm under an active call against contracts and sold up output. Quotations were strong and unchanged.

Corn—Scarcity of both crude and refined oils continued to restrict business. Market firm at ceilings.

Oiticica—Orders for tankcars were unfilled owing to scanty supply on the spot. Drums were firm at 24c. per pound, with offerings restricted to small quantities. Interest in future deliveries continued dull. Offerings from Brazil also were light.

Olive—Buyers were showing a good inquiry for shipments from producing centers. No offerings have been received from Spain of late owing to the inability of shippers to get export permits from the Spanish government. Production of olive oil in Algeria totaled 44,000 tons in 1944. Domestic need was estimated at 48,000 tons and can only be met by importing from other producing countries. The olive crop in French Morocco was disappointing this season and a number of olive oil refineries had to shut down because of lack of supplies. In the Aegan area of Turkey the chief olive growing region, the 1944-45 output of olive oil is expected to reach about 35,000 tons, an above-average yield. Because of the increase in domestic consumption and relatively small stocks, exportation has been temporarily stopped.

Soybean—Purchases of refined soybean oil totaling 779,960 pounds were made from 14.97c. to 15.99c. per pound

For Current prices see alphabetical listing beginning on page 9.

in drums, f.o.b. works, by WFA on March 31.

Tung—Consuming inquiry was active with sales reported of fair sized quantities at ceilings Producers of domestic oil have withdrawn offerings for civilian use in order to complete commitments for the government stockpile. Market was firm.

Atlanta, April 11.—The demand for oilseed meals is reported falling off as the Spring advances, but prices have been maintained. Soybean meal in the South is in ample supply, especially in South Georgia and Alabama. Some peanut meal is available for carlot shipments but production is reported light. Demand for cottonseed hulls is reported off as pastures improve, but ceiling prices hold.

Chicago, April 11.—Trade in vegetable oils remains quiet, but market remains strong, as buyers continue to evince considerable interest. Price ceilings maintained.

Los Angeles, April 11.—Business in crude and refined vegetable oils remains about unchanged and was confined to cottonseed and soya bean oils.

Fats and Greases

Greases—Trading was slightly better during the week, owing to increased offerings, but supplies were inadequate to meet the active demand. Market continued firm at ceilings.

Lard—Demand was active with business spotty because of scarce supplies. Advices from Brazil stated that the exportation from that country of all types of lard has been prohibited for a period of six months beginning March 2.

Tallow—Improved cattle slaughter has slightly increased available supplies which were promptly absorbed at ceilings. Demand continues to exceed the supply. Prices were strong at ceiling.

Animal Oils

Degras—Inquiry continued active, and with production sold well ahead, the market was firm and unchanged. Limited offerings continued to restrict business.

Neatsfoot Oil—Scarcity of all grades keeping this market firm at ceilings. Trading was confined to small lots.

Oleo Oil—Sold up output moving steadily against former contracts. Business quiet because of scarcity of supplies.

Fish Oils

Menhaden Oil—Scarcity of refined oils continued to limit trading to small lots only. Inquiry was moderate. Prices were firm at ceilings. A good inquiry for crude oil for next season's delivery was noted with bids at ceilings receiving little attention.

Sardine—Trading was quiet. Refined oil was in good request, but sellers were not offering to any extent because of light supplies. Buyers were showing a good inquiry for crude oil for future delivery with producers not offering. Market firm at ceilings.

Fatty Acids

Red Oil—Market was firm at ceilings. With output sold up, activity was confined to deliveries against former orders. Producers were not offering and were required to set aside 25 percent of monthly production for WFA authorization, under WFO 87, effective April 1.

Stearic Acid—Consuming inquiry was active, though trading was slow owing to sold up production. Demand was urgent for delivery against contracts. Makers were required to set aside 25 percent of their monthly output for specific WFA authorization, under amended WFO 53, effective April 1.

Chicago, April 11.—Trade in fatty acids was fairly active, with material continuing in tight supply. All grades held at price ceilings.

Cake and Meal

Cottonseed Meal—A slight improvement was noted in the tight supply situation and offerings at mills were freer. Demand was quiet, with supplies ample to cover requirements.

Linseed Meal—Active call for deliveries against contracts taking meal as fast as produced. New business slow because of lack of material.

Minneapolis, April 11.—Demand continued brisk with offerings light. Mills had a long list of shipping instructions on hand, but were unable to fill orders.

Shipments of linseed meal, in pounds, were as follows:—

	1945-44	1944-43
This week	6,540,000	10,620,000
Since Sept. 1	62,700,000	163,880,000

Soybean Meal—Market was easier. Offerings in the South were reported larger than heretofore but buyers were showing little interest. Prices remain steady at ceilings.

Waxes

No extra payments above ceiling prices may be made for imported vegetable waxes and beeswax, the Office of Price Administration provided in amendment No. 4 to RMPR 264. Information reaching OPA indicates that some importers are exceeding ceiling prices by payments to third parties for services rendered in obtaining supplies of waxes. The payments are taking various forms, such as finder's fees, broker commissions, gifts and bonuses, or by transactions with subsidiary or affiliated companies, or by trading understandings.

This action, effective April 16, specifically writes into the regulation that if any such extra payments are made they must be within the existing ceiling prices. OPA said that importers who exceed their ceilings through use of these practices will be held strictly accountable in fairness to other importers who are complying with the ceilings.

Beeswax — Trading was reported slow, though inquiry was excellent for prompt and nearby shipments from primary centers. Receipts were reported at 280 bags and 3 blocks.

Carnauba—In the absence of offerings of all grades from Brazil, the market was a dull affair, though consuming inquiry continued active. Receipts were reported at 315 bags for delivery against former contracts.

Ouricury — Offerings from Brazil have been withdrawn for prompt and nearby shipments as the result of recent sales having cleaned up supplies to next June. Prices ruled firm at ceilings. Receipts totaled 1,005 bags consigned against previous orders.

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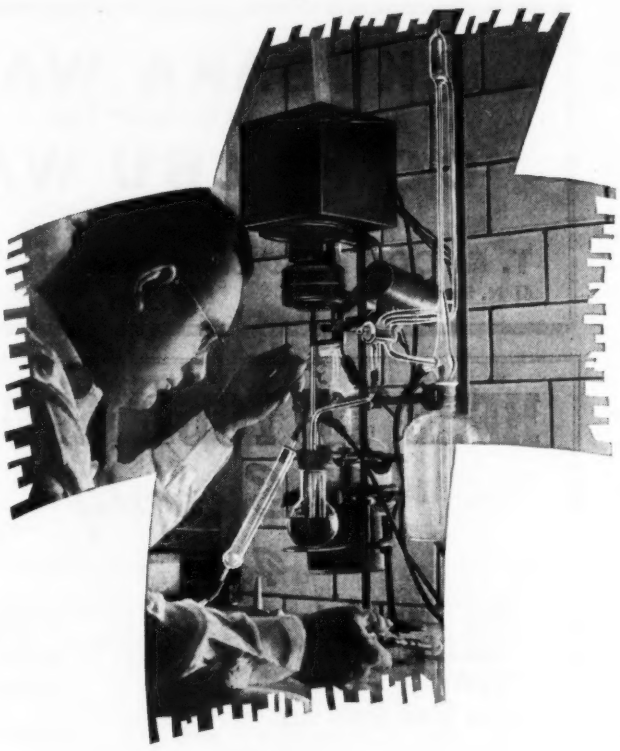
plus value in plasticizer research



Monsanto research in plasticizers has a specific aim today . . . to serve industries whose products help bring victory nearer. Sometimes this research . . . which goes on constantly . . . develops plasticizers for special needs. At other times, it finds ways to replace critical materials with those that are available.

Such wartime work also has a *plus* value in the application of its results to future peacetime products. Many of today's developments undoubtedly will contribute to *easier* production of *better* products after the war.

Monsanto's production of plasticizers has been stepped up to the limit in serving industries whose products are vital to the prosecution of the war. If you manufacture such vital products, we shall do our best to serve you from our complete line of plasticizers. And, if you are developing products that will aid in bringing the war to a quicker close, we shall be glad to lend a hand in your research. MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 South Second Street, St. Louis 4, Missouri. District Offices: New York, Chicago, Boston, Detroit, Charlotte, Birmingham, Los Angeles, San Francisco, Seattle, Montreal, Toronto.

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SERVING INDUSTRY...WHICH SERVES MANKIND

+

Drugs and Fine Chemicals

A firm undertone governed the market for drugs and fine chemicals last week. Practically all prices showed strength and in the case of dibutylamine, and hydrous and anhydrous ephedrine, they were higher. Quicksilver failed to decline further, and mercurials derived from that metal had still to reflect the fact that quotations on raw material are far lower than the price prevailing when the schedule was established. News cables from Britain reported the successful use of penicillin, which may open new therapeutical fields in this country. During the week the Bureau of the Census released its latest statistics on the production of methanol and hydrogen peroxide. February output of methanol dropped below that in January, as also did that of hydrogen peroxide which is going solely to manufacturers for the armed forces.

The upward revision in prices for hydrous and anhydrous ephedrine alkaloid has placed those articles on an identical price basis and constituted another sign that after the price-contest that prevailed between natural and synthetic material, a period of greater stability at levels probably eliminating alleged red ink from sales of the synthetic item has come.

The producer of mixed amyl naphthalenes, dimethylethyl carbinol diamylphenol, monoamylnaphthalene, and polyamylnaphthalene reported that those articles were no longer available and hence prices were withdrawn.

The quicksilver situation continued to favor consumers, at least potentially. Metal has come from Chili and some is expected from Spain although the latter is reported already sold into consumption. Until foreign metal comes in quantities sufficient to create a reserve of unsold goods in bonded warehouses, further drop in spot quicksilver prices will probably remain potential.

Market Trends

Prices Advanced

Castor beans, $2 per long ton.
Dibutylamine, 5c. per lb.
Ephedrine alkaloid, anhydrous, 4c. per oz.
hydrous, 7c. per oz.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
222.4	222.4	229.4	242.8

Acetanilide—Surplus stocks were lacking and the producers indicated that the market was in exceptionally firm position in which well maintained consuming requirements played the main part.

Acid, Ascorbic—Business was active and supplied promptly from more than adequate production now that the item is cleared of allocation control. Prices seem to have achieved stability.

Acid, Tartaric—Demand was good and prospects favored even an expansion in the volume of present takings. There is some reason to expect that the end of Germany as a military power may make possible a less controlled and larger export of raw materials from European points. The producers' price remains at 70½c. per pound, which compares with 27¼c. that ruled before the war and when raw material transport was normal.

Acid, Thioglycolic—The price situation in this article is very "muddy." Conservative sources with a prominent position in chemical circles call the market $5 per pound minimum, but information coming from here and there suggests that as low as $2.50 is quoted. The disturbing and unsettling feature is that, regardless of who quoted what prices, the statement that the price covers goods of high purity is usually made. It would seem that the old injunction of cavaet emptor might be applied to this item.

Alcohol—The time is coming when decisions regarding what to do with the highly expanded alcohol production capacity of the country must be faced. With 1945 needs for alcohol having been estimated around 548,000,000 gallons; with 1944 needs having been about 575,000,000 gallons; and with the pre-war fiscal year production in 1939-40 having been 243,727,756 proof gallons, the size of the problem stands clear. To be sure, the alcohol industry expects that consumption in peace will exceed that prior to the war, but it remains to be established that peacetime can consume 575,000,000 to 600,000,000 gallons.

Amylnaphthalene—The producer of this article states production is no longer available. Hence, prices are withdrawn.

Arecoline—More than a fair amount of competition prevails in this article and prices tend to bend in favor of buyers when quantities are under discussion.

Bismuth—Production of metal needs the major requirements of manufacturers of salts and the delivery position of the latter was reported to be satisfactory. However, WPB seems disposed to continue the allocation of this item.

Butyl Acetate — Consumption for war purposes continued at a high level, preventing a supply situation likely to produce more goods for civilian use. Prices now in force continue over the month.

Butyl Chloride—One producer of normal butyl chloride states that this item is no longer available and hence has withdrawn quotations.

Caffeine—Stocks gained to the extent of 30 barrels of foreign, manufactured material, but all went direct to a manufacturing consumer. The supply situation remains tight.

Castor Oil—Beans were higher at $77 per long ton, Brazilian ports, and although practically no business was reported, the market was said to be very steady. Stocks of beans were up 5,094,600 pounds, making the total since January 1 60,267,650 pounds. The latter figures compares with 99,505,700 pounds during the corresponding time a year ago. The movement of oil continues in such volume as to keep a basically firm market continuously in being.

Chicago, Apr. 11.—Castor oil prices are:—Cold pressed, U.S.P., returnable drums, carlots, 14½c. per pound; drums, less than carlots, 15¼c.; tanks, 13¼c.; No. 3, extracted, returnable drums, carlots, 14¼c.; drums, less than carlots, 15c.; tanks, 13½c.

Diamylphenol—The manufacturer of this article reports that none is now available and hence has withdrawn prices.

Dibutylamine—This article is priced higher at 66c. per pound in drums, carlots, and 69c. for less than carlot quantities, both quoted on a works basis.

Dimethylethyl Carbinol—The producer of this item reports that none is available at this time and hence has withdrawn all quotations.

Ephedrine—The alkaloid in anhydrous and hydrous forms is higher in price and both occupy the same basis now; the former differential has been eliminated. The price is now 65c. per ounce in quantities of 100 ounces.

Fishliver Oils—The production position is tight since on the Pacific coast the supply of livers remains insufficient. Local reports indicate an excellent call for all potencies and whales are at ceiling levels.

San Francisco, April 11.—There is no improvement in the Pacific Coast supply of fish liver oils. All potencies are in active demand at ceiling.

Glycerin — Reserves held in this country at the present time protect future needs well ahead and tend to maintain a reasonably easy situation as to the supply of chemically pure material. Restoration of diplomatic relations with the Argentine should release substantial quantities of crude glycerin for transport here via United States ships. They had not called at Buenos Aires since last October.

Chicago, April 11.—Glycerin prices are:—Chemically pure, tankcar, 15c. per pound; drums, carlots, 15½c.; drums, less than carlots, 15¾c.; high gravity, tankcar, 14¼c.; drums, carlots, 14½c.; drums, less than carlots, 15c.

Hydrogen Peroxide—The situation has never been tighter. According to representatives of the War Production Board, total production will be needed

For Current prices see alphabetical listing beginning on page 9.

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Now in WORLD WAR II

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to meet military requirements beginning with May 1. Furniture manufacturers using this item for bleaching purposes will get none. Production in February was 2,537,000 pounds of 100 volume material; in January it was 2,636,000 pounds.

Menthol—The spot market stands around $10 per pound. Local reports indicated that prices that the article might be bought for in Brazil suggest a landed New York, duty paid, price less than recent statements made in reliable and conservative quarters. The fact is that with the floor at $19.50 per kilo at Brazilian ports, the duty paid price in New York should be about $9.75 per pound.

Mercurials—The schedule remains unchanged, notwithstanding the fact that the quotations on quicksilver are far lower than the market prevailing when the present schedule of mercurials was established. Nothing at this time suggests an early return of strength to raw material and hence there is ample reason for many to expect a decline in mercurials. The demand for red mercury oxide for making storage batteries runs very high.

Methanol—According to the latest figures released by the Bureau of the Census, production data on synthetic and natural methanol stands as follows:—

	Gallons	
	Synthetic 100%	Natural 80%
January	6,455,000	317,000
February	5,827,000	279,000

In terms of 100 percent pure methanol, the output of 279,000 gallons of natural methanol, 80 percent purity, in January was equivalent to 172,980 gallons, which compares with 5,827,000 gallons of 100 percent purity synthetic material.

Monoamylnaphthalene — The producer of this material states that none is available and hence all quotations have been withdrawn.

Penicillin—Britain reported successful use of this item in diphtheria. It eliminated the throat membrane in 24 hours.

Polyamylnaphthalene — All quotations have been withdrawn because the producer has reported that none is available at this time.

Quicksilver—The market was reported at $158 to $160 per flask. To the supply of Chilean quicksilver recently reported in this country is to be added the pending addition of substantial quantities of Spanish metal, but at prices distinctly competitive with the domestic metal. However, since the Spanish metal is understood to be owned by consumers, the pending addition of such stocks should be eliminated so far as being of a direct influence on quotations. Such influence will probably await the time when Spanish metal comes here and goes into storage to await sale.

San Francisco, April 11.—Scarcity of supplies continued to limit trading in the quicksilver market. Stocks here are extremely low. Little spot metal is being offered. Prices range between $156 and $162 per flask, f.o.b. San Francisco.

Soda Benzoate—Good demand took up production steadily and with an expansion in requirements due during the months ahead, the outlook was for a market not much better than moderate so far as surplus stocks are concerned.

Strychnine — Although production has been moderate, apparently it has also been sufficient for all reasonable needs. The fact that agents handling raw material in shipment position seek to increase imports arises at a time when reports concerning the new crop in the Far East show a decrease in the supply to be available.

Sterling Drug, Inc., Capital Structure Change Planned

A plan to change the capital structure of Sterling Drug, Inc., through authorization of 5,000,000 shares of common stock, of $5 par value, as compared with the present 2,000,000 authorized shares, of $10 par value, has been announced by James Hill, jr., president. Under the plan, stockholders would receive two shares of the new stock in exchange for one of the present, the balance remaining in the treasury. The plan has been approved by the board of directors, and will be submitted to a vote of the stockholders at the annual meeting June 14 in Wilmington, Del.

Merchants Chem. Names Winter Export and Purchasing Agent

The Merchants Chemical Company, New York, has named James A. Winter export manager and purchasing agent, filling a vacancy caused by the death of Charles Wherly. Mr. Winter, previous to his entering the Army in 1942, in which he served as a major in England, Africa and other war theatres, had been associated with A. K. Hamilton & Co., New York, and with Trubeck Laboratories, Rutherford, N. J.

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French Essential Oils

—Continued from page 5

cate from 67½ to 70 percent of average prewar harvests. In both floral and essential types of oils, sufficient yields in 1945 should permit manufacturers to resume production of a large percentage of high quality perfumes and toilet preparations in both the United States and the United Kingdom.

No precise data are available on the quantities of the various floral and essential oils consumed in France, but it was generally stated in trade circles that French perfumers normally utilize from 65 percent to 75 percent of domestically cultivated production. United States imports are considerably larger in volume than those of the United Kingdom, according to the producing exporters.

Lavender and lavendin, produced in several departments near Grasse, are in a relatively favorable supply situation. It was reported that half of the 1943 output is still unsold, all that of 1944 is available, and the 1945 production soon will be added to inventories. France, comparatively speaking, does not consume a large percentage of either. The supply available for export, therefore, appears to be more than ample and the size of overseas shipments probably will be determined largely by ability to purchase at a satisfactory price.

Tourist Trade

Mr. Barber pointed out that normally the essential oil industry and the tourist trade, principally British and American, are the main sources of sustaining revenue in the Grasse area. Now that there is no tourist trade, the essential oil industry is doubly important to the economic life of the region.

There are forty-two essential oil factories in the area, employing about 2,500 workers. The natural flowers, upon which they depend for their existence, are cultivated by approximately 5,500 small farmers aided by about 1,000 seasonal workers. If the families involved are included, about 45,000 persons are directly dependent upon this industry for their livelihood. Indirectly the many trades and services that are integral parts of the region are vitally concerned.

There can be no question, Mr. Barber said, as to the deep interest of the inhabitants of Southeastern France in the prompt resumption of full activity in the floral and essential oil industry.

Buying Markets

Grasse firms, of course, have a basic, permanent interest in maintaining their three principal buying markets —France, the United States, and the United Kingdom—and are voluntarily reserving stocks on a prewar percentage basis which is eminently fair to all. French exporters have been given an incentive to resume their foreign shipments since freedom of payments has bee assured them by the United States and French governments.

Monetary affairs were found to be presenting some obstacles, however. Firms importing essential oils into the United States claim that because of the present established value of the franc (50 to $1), they are unable to make purchases except at prices higher than the resale prices permitted by the Office of Price Administration.

Mr. Barber stated that due to war conditions, American and British manufacturers have lacked the products of France, and French perfume manufacturers and essential oil importers have lacked the essential oils from France's own colonies, the United States, and the British Empire. He added that the governments of both the United States and France desire restoration of commerce on a private basis, except insofar as the United States Commercial Company can facilitate any phase of the cycle.

S.O.C.M.A. Opposes

—Continued from page 7

high or too low, and (b) the amount of change to be made. Such changes in tariff could be made in return for substantially equivalent changes by other nations.

(4.) Any changes, in accordance with purposes and rules laid down by the Congress, should be made by a reconstituted Tariff Commission. These should then be promulgated by the President, unless Congress, by an adverse vote within a specified time, rejects the proposals in whole or part.

(5.) The Congress should provide for mandatory action under the Anti-Dumping Law of 1921, and under Sections 337 and 338 dealing with Unfair Practices and Discriminatory Treatment.

(6.) Congress should provide (and this is very necessary if we plan to be as liberal as possible without detriment to our internal economy) that American producers shall at least have the right of judicial review and prompt redress if injury results or if satisfactory evidence can be produced, showing that injury will result because of a changed rate.

(7.) Provide for the restoration, to full force and effect, of Sections 336 and 516 of the Tariff Act of 1930.

(8.) Provide automatic adjustment of rates to equalize undue fluctuations in exchange rates between currencies. The power to nullify United States tariffs through wide changes in exchange rates should be removed. United States tariff rates, whether or not reduced in trade agreements, should be deemed to apply on the basis of exchange rates in force at the time the rate was made. There should be provision for compensatory rates to apply wherever exchange rates vary substantially.

Standard Laboratories Merchandising Mgr. Named

Harley L. Knauer has been made merchandising manager for Standard Laboratories, Inc., New York, a new organization now being set up by the William R. Warner & Co., to distribute its proprietary drugs and toiletries. Fourteen separate companies will be merged in Standard Laboratories on July 1, including Dr. Earl S. Sloan, Inc., Vince Laboratories, Inc., the Nonspi Company, the Waterbury Chemical Company, and the Pfeiffer Chemical Company.

Phila. Wholesale Drug Names Rohrman, Thompson to Posts

Ralph Rohrman, assistant general manager of the Philadelphia Wholesale Drug Company, has been made buyer for the company. William Thompson, formerly connected with the Gilmore Drug Company, has been appointed director of sales.

Phillips Rejoins McK&R

Lieut. Col. Howard V. Phillips, recently placed on inactive service after three years in personnel work for the United States Army Air Forces, has returned to McKesson & Robbins, Inc., where he has been appointed to the newly-created post of merchandising manager of the manufacturing division, with headquarters in Bridgeport, Conn.

Pharmacy Career Film Available for Use

The American Foundation of Pharmaceutical Education, 330 West 42nd street, New York, has available for general public showing the film "Bill Proctor's Choice" presenting pharmacy as a career. The foundation will arrange for the film to be made available for any and all types of audiences interested, including colleges of pharmacy, State, county or local pharmaceutical association meetings, national drug conventions, local meetings of Rotary, Kiwanis, Lions or other clubs of all sorts and kinds.

Wyeth-Stille Gets Penicillin Equipment

Critical supplies and equipment to increase penicillin production in Mexico were shipped to Wyeth-Stille, S. A., Mexico City, on the initial flight of American Airlines' new freight schedule to Mexico City April 1, officials of Wyeth Inc., pharmaceutical manufacturer, Philadelphia, the parent company, and one of the pioneer producers of penicillin, has announced.

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Narcotics Control System Urged by Anslinger

OPD Washington Bureau

H. G. Anslinger, commissioner of narcotics, has urged manufacturers and wholesalers to institute in their packing, shipping and delivery departments, as well as in other parts of their establishments, a system of control over narcotics whereby each person getting custody of the drugs for any purpose will be required to furnish a receipt to the employee or person from whom they are received.

Ethyl Chloride Process Developed by Ethyl Corp.

A new process for making ethyl chloride has been announced by Ethyl Corporation, New York. A $750,000 unit employing this process is now under construction at the company's Baton Rouge, La., plant.

The process yields ethyl chloride by reacting chlorine with waste products from one of the present ethyl chloride units at Baton Rouge. It was develop in view of the "tight" supplies of both alcohol and ethylene, compounds used in producing ethyl chloride, through two present processes. Chlorine for the new process is produced by breaking salt electrically into chlorine and sodium. The sodium from this electrolysis is combined with metallic lead to form a lead-sodium alloy used in making tetraethyl lead.

Retail Federation Field Work Head Named

OPD Washington Bureau

J. Kenneth Jones has been placed in charge of the field work for the American Retail Federation. Mr. Jones, who has been associated with the Federal Economic Administration, was formerly secretary of the South Dakota Pharmaceutical Association, and was formerly president of the Northwest Pharmaceutical Bureau, St. Paul, Minn.

FTC Suit Vs. Scientific Apparatus Makers Ended

OPD Washington Bureau

An amended order dismissing its complaint against the Scientific Apparatus Makers of America, its officers and directors, and respondents Carl S. Hallauer, R. E. Gillmor and John Roberts has been issued by the Federal Trade Commission. At the same time, however, the commission ordered enforcement of its cease and desist order against the Surveying-Drafting-Coaters Section of the association and its manager and executive committee, and against certain members of the association and against the C. F. Pease Company and Eugene Dietzgen Company.

The modifications of its order to cease and desist were the result of decree handed down on May 22, 1944, by the United States Circuit Court of Appeals for the Seventh Circuit in suits against the commission by certain of the respondent companies and individuals.

Mercuric Oxide Plant To Be Built in Boone, Iowa

Metalsalts Corporation, Paterson, N. J., of which William M. Stieh is president, has been awarded a contract by the Defense Plant Corporation to build and construct new facilities to increase its production of mercuric oxide at Boone, Iowa. While the Boone project is a war measure, the company has a postwar program lined up for its Paterson plant and in addition, is negotiating for another site which will greatly enlarge their Eastern facilities.

Antonelli Fireworks Settlement with U.S. Set

OPD Washington Bureau

Attorney General Francis Biddle has announced approval of a compromise settlement of civil suits brought against Antonelli Fireworks Company, Spencerport, N. Y., by which the United States recovers practically all the available assets of the company, including over $200,000 in cash.

The civil suits followed criminal prosecution of the company and a number of its officers and employees who in June, 1943, were charged with conspiracy to defraud the United States in performance of contracts with the Chemical Warfare Service of the Army for the production of incendiary munitions.

Under terms of the settlement the government receives over $200,000 in cash and title to all machinery, jigs, tools and fixtures used in munitions production. The United States is also granted unrestricted use of the entire production plant and the leased land on which it stands for the duration of the war. In addition, Antonelli is to discontinue certain counterclaims which it has asserted, as well as a suit, now pending the U. S. Tax Court, for review of the renegotiation proceedings.

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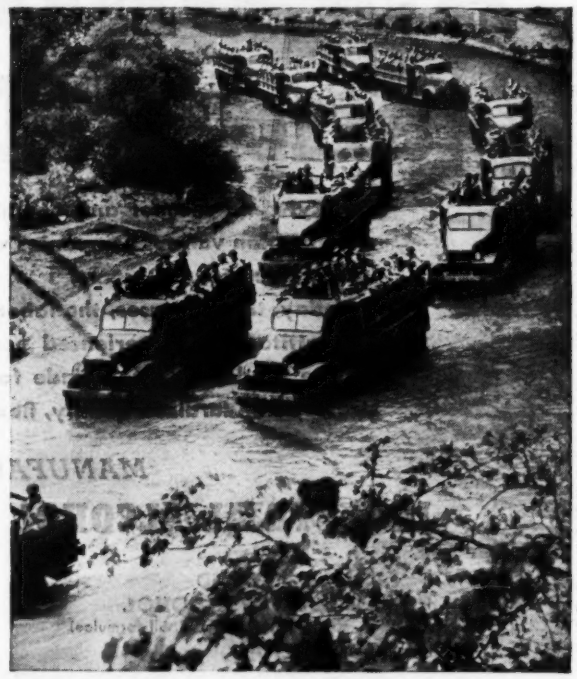
GLYCERINE, the versatile ingredient, has hundreds of war uses. It's important in the making of many medicines, foods and food products, packaging materials, textiles, vitamins, lubricants, as well as a vital chemical in the making of many explosives, plastics, surface coatings, and other materials.

The Surgeon General's Office, the Medical Corps, and other important governmental agencies recognize the need of using glycerine in many applications where human life is concerned. Another reason why war demands upon glycerine are huge.

But now there is glycerine for the production of civilian goods, also! If you are using emergency war substitutes, you'll want to get back to safe, time-tested glycerine. And when you plan new products, you'll want to use glycerine, too. Send for the free booklet, "Nothing Takes the Place of Glycerine—1583 Ways to Use It." Address: Glycerine Producers' Association, 295 Madison Avenue, New York 17, N. Y. Dept. K-5.

Wholesome Eating! Glycerine is a time-tested ingredient of candies, cellophane food wrappings and casings, flavorings, colorings, tobaccos, and other products used by humans. Use glycerine!

Glycerine, the Healer. Glycerine, important in many explosives, is just as important in many medicines. It has been proved by generations of use. Use wholesome glycerine in your pharmaceuticals!



Better Paints! Alkyd resins, used to make long-lasting paints for war equipment, mean better paints for peace. Glycerine is a prime raw material in alkyd resin manufacture.

Safe In Cosmetics! Glycerine, important part of many protective lotions and ointments used by military men in the field, can help you make sought-after cosmetics. Use glycerine—*and be sure!*

Plenty of Glycerine! If you have been using emergency substitutes, you'll want to get back to safe, time-tested glycerine. And you'll want to use glycerine in your new products, too!

Minn. Medical Care Bill Signed by Thye

Governor Edward J. Thye of Minnesota last week signed an act authorizing formation of corporations to provide low-cost prepaid medical care. The measure, sponsored by the Minnesota State Medical Association, was based on a plan prepared by a committee headed by Dr. A. W. Adson.

It authorizes formation by not fewer than twenty-one persons, who may be doctors or laymen, of corporations to offer medical service on a prepayment plan. Such corporations must be capitalized at not less than $25,000.

American Home Products Issues 'Year Book'

The complete report of American Home Products Corporation's financial progress together with future plans and a comprehensive story on how the company develops, manufactures, tests, and distributes its more than 5,000 products is incorporated in the company's third annual "Year Book," which was mailed recently to 10,000 stockholders and a like number of employees. The 78-page, two-color book, titled "Toward Better Living," is divided into three main sections—one "for stockholders," another "for employees," and a third "for consumers."

Interchemical Corp. Elects Gessler Vice-President

Dr. A. E. Gessler has been elected a vice-president of the Interchemical Corporation. Dr. Gessler has been director of research of the Interchemical Corporation since 1934. He was educated in Berlin and came to this country to join G. Siegle Company leaving that organization in 1919 to form the Ultro Chemical Corporation which subsequently merged with Zinsser & Co., with Dr. Gessler becoming chief chemist and member of the board of directors.

Valspar Corp. Sells Notes

Valspar Corporation, New York, has sold to the Mutual Life Insurance Company $1,200,000 in 4 percent notes to mature in fifteen years. Proceeds are to retire a like amount of bank notes and the new notes will constitute the company's only funded debt.

Guthrann Rejoins Edwal

Major W. S. Guthmann has resumed his duties as vice-president and treasurer of the Edwal Laboratories, Inc., Chicago. Major Guthmann spent more than three years in the technical division of the Chemical Warware Service.

Kingston Chemical Moves

Kingston Chemical Company, manufacturer's representative and exporter of industrial chemicals, New York, has moved to 15 William street.

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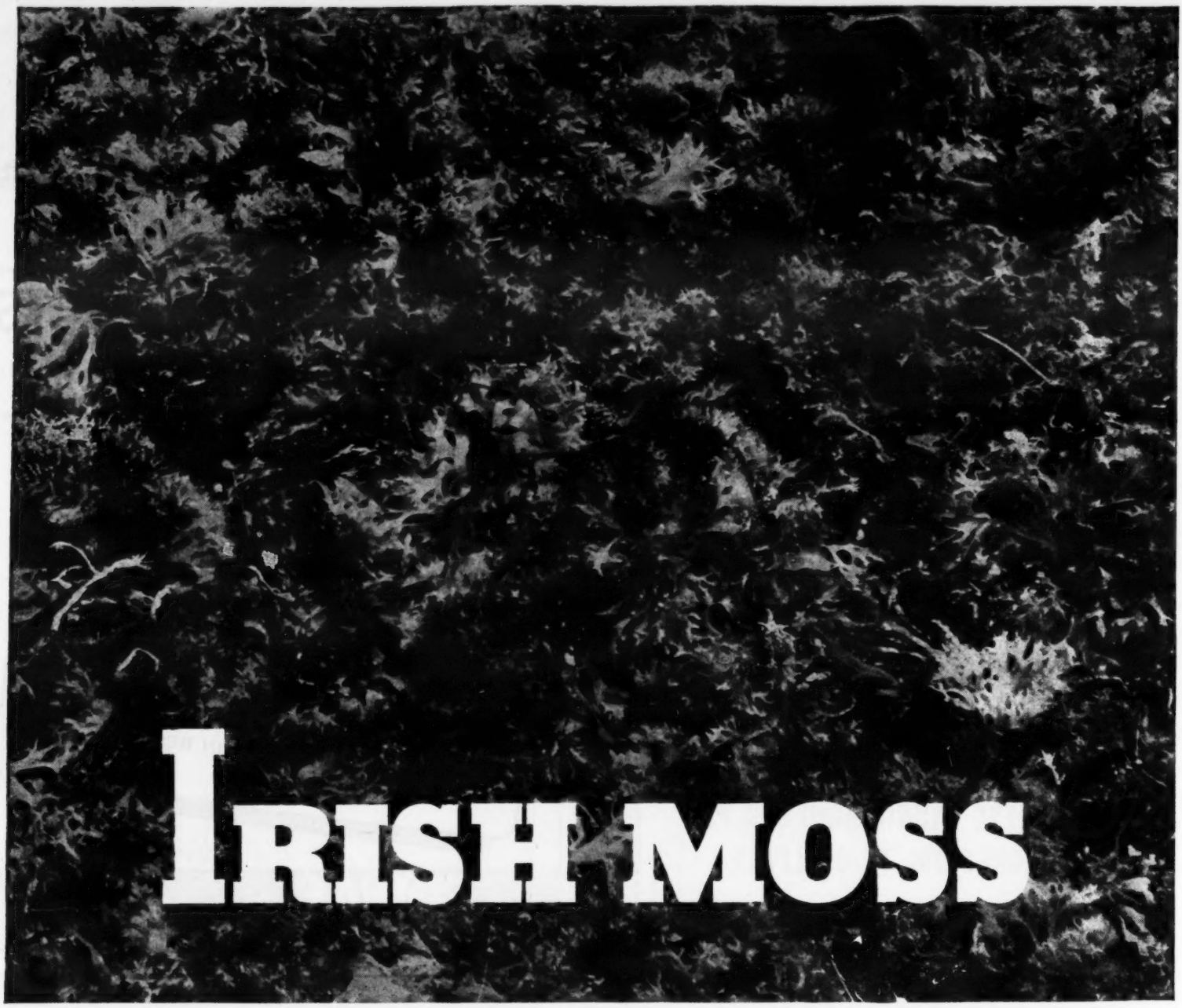

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HEADQUARTERS

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Representatives approached every potential gatherer, organized the work and supervised it closely to produce many tons of quality Moss.

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Botanical Drugs, Spices, Gums

The new season for botanical drug collection in this country has begun to shape up and signs of the shaping point more to price strengthening than easing. Workers in the field begin to know something about what dealers will pay gathers for needed drugs and the prices laid before the workers run comparatively high when compared with normal values. Dealers figure that it will be cents-per-pound rather than anything else that will get the diggers, peelers, and pluckers into the field and to work. Hence consumer prices as of this time do not seem destined for lower levels.

Yet, there is an angle that, however, probably has not been overlooked. Should the likely cutback in production of strictly war goods be extensive after war in Europe enters the purely mopping up stage following the end of Germany as a military entity, it could be that hill folk who left the highlands to work in lowland factories will trek back to the hills, thus increasing the number available for labor. Against their becoming available labor is the possibility that a considerable part of their in factory pocket-pay will become take-home funds to be deposited in the cabin-caches as insurance against the immediate necessity to grub for drugs for a living.

A development of some importance to those who had been importing from Argentina some of the botanicals formerly bought in pre-war Europe was the disclosure that United States ships will now call at Buenos Aires now that the government here has given diplomatic recognition to that in the Argentine. Calls by U. S. ships stopped last October. Unless space on U. S. ships be taken wholly by stragetic materials such as flaxseed, tanning materials, seeds, oils, foodstuffs, and the like, larger quantities of botanicals grown in the Argentine may reach this market.

Balsams

Peru—The market last week was one of routine activity that was sufficient to hold prices to a steady position and to keep competition confined to narrow limits.

Tolu—Jobbing business made up the bulk of local transactions, done at exceptionally firm prices throughout the week.

Barks

Black Haw—The outlook for a good-sized collection is none to encouraging and the prices likely to be paid in an effort to stimulate collection do not forecast a movement of prices materially in favor of buyers.

Elm Bark—Prices for ordinary bark for grinding purposes were noted at 40c. to 41c. per pound. Powdered material was offered at 50c. to 55c. Select bark in bundles was in more liberal supply at the slightly lower price of 50c. to 55c.

Beans

Tonka—Although stocks were said to be in moderately better size, prices showed firmness and stability on spot in keeping with the maintained cost of replacement in primary markets.

Vanilla—Strong in price, moderately stocked, and lacking definite signs of early increase of supplies, the entire group could be sold steadily and in good-sized quantities were more stocks available. Hence, numerous transactions are on the basis of goods which are to arrive later if the fates be kind in the matter of transportation and the like.

Berries

Cubeb—Interest in the article was still to be found, but no berries were available in normal channels of trade. Inquiries went unsatisfied last week.

Raspberries—Local dealers look forward to replenishing stocks with new crop purchases and deliveries in the not-far-distant future may be possible.

Market Trends

Prices Advanced

Drugs

Damiana leaves, 2c. per lb.
Dandelion root, 8c. per lb.
Digitalis leaves, 10c. per lb.
Elder flowers, 2c. per lb.
Ephedra herb, 7c. per lb.
Grains of Paradise, 2c. per lb.
Papain, powdered, 10c. per lb.

Other Articles

Caraway seed, Calif., Dutch type, 7c. per lb.
Canadian, 3c. per lb.
Spanish, dewhiskered, 4c. per lb.
Syrian, dewhiskered, 4c. per lb.
Coriander seed, Argentine, ¾c. per lb.
Poppy seed, Turkish, futures, ¼c. per lb.

Prices Reduced

Drugs

Arabic, gum, sorts, ½c. per lb.
Deertongue leaves, 7c. per lb.
Elecampane root, 2c. per lb.
Elm bark, select, 5c. per lb.

Other Articles

Celery seed, Indian, ½c. per lb.
Clove, Madagascar, ¼c. per lb.
Zanzibar, ¼c. per lb.
Oregano, Mexican, curly leaf, ¼c. per lb.

Comparative Price Indexes

Botanical Drugs

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
235.7	236.5	236.6	261.9

Flowers

Calendula—An even moderate demand would probably exhaust spot stocks quickly. Relief from shortage must await the production of another crop in California.

Clover—Exceptionally firm throughout the past week with prices tending toward further advance. Future price developments depend on the amount of material produced this year.

Elder—Spot quotations were higher at 60c. to 65c. per pound and the usual sources of major supplies indicate that present reserves are very low. The new crop season is at hand.

Gums

Arabic—Spot quotations have been shaded to 12½c. to 13c. per pound with a frequently met price being 12¾c. The movement was competitive in a market still well stocked with prompt delivery goods and not called for in major quantities. The drop in price came despite the loss of some gum in a local warehouse fire.

Benzoin—Very little is available, and signs only now begin to suggest that the primary market may be liberated in a not overly distant future.

Karaya—Importers were busy meeting contract engagements which were sizeable and tended to increase. Price stability gives buyers considerable confidence in trade.

Olibanum—Reports indicated that more trade was strengthening prices and values were likely to rise moderately. Not much chance for competion existed locally.

Herbs and Leaves

Damiana—Very scarce on spot and higher at 16c. per pound, which was considered to be a nominal value. 'Tis hard to get replacements from Mexico regardless of prices to be paid.

Deertongue — Probably in anticipation of getting new crop goods in the not-far-distant future, a spot price of 35c. to 36c. per pound was setup last week. However, it would be difficult to find any material to buy at this time.

Digitalis—Some quarters noted a nominal price of 70c. per pound, and others mentioned 95c. as a proper value. Perhaps a real price will be established when new crop reaches this market—if labor can be enticed to collect this year.

Ephedra—The market was at least 28c. to 30c. per pound, and stocks have rarely been so low. There is practically no open market demand.

Marjoram—Chilean herb for shipment was reported lower, the c & f price being around 14c. per pound.

Oregano—Curly leaf from Mexico was shaded to 8½c. to 9c. per pound.

Sage—Orders from New Zealand were in the market.

Miscellaneous

Dragon's Blood—Only drops were available and the price last week was 55c. to 56c. per pound.

Grains of Paradise—Spot quotations

For Current prices see alphabetical listing beginning on page 9.

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BUCHU LEAVES
CARAWAY SEED
CELERY SEED
CHAMOMILE FLOWERS
CHAULMOOGRA OIL
CLOVES, Zanzibar
COCILLANA BARK
COLOCYNTH PULP
COLOMBO ROOT
CORIANDER OIL AND SEED
DANDELION ROOT
DILL SEED, Indian
ERGOT OF RYE
FENNEL SEED, Indian
FOENUGREEK SEED
GENTIAN ROOT
GINGER, Jamaica, Calicut
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM KARAYA, Whole and Powder
HELLEBORE ROOT WHITE
HERBA HERNIARIÆ
HERBE MENTHE
HOREHOUND HERB
IRISH MOSS
JUNIPER BERRIES
KAMALA POWDER
LAUREL LEAVES
LAVENDER FLOWERS
LINDEN FLOWERS, with Leaves
MAHUANG, Chinese
MARJORAM LEAVES
OAK MOSS
ORANGE OIL, Sweet
ORRIS ROOT
PEPPERMINT OIL
PIMENTO, Jamaica
POPPY SEED, Indian
PSYLLIUM SEED AND HUSKS
QUINCE SEED
RHUBARB ROOT
ROSEMARY LEAVES
ROSEMARY OIL
SAGE LEAVES
SARSAPARILLA ROOT
SAVORY
SENNA LEAVES AND PODS
STRAMONIUM LEAVES
STROPHANTHUS SEED
THYME LEAVES AND OIL
UVA URSA LEAVES
VALERIAN ROOT

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were 30c. to 31c. per pound against the most recent offering of April-May futures at as low as 21c. per pound.

Papain—Powdered sold at $3 per pound in a strong market last week. As high as $3.25 was quoted according to seller.

Roots

Dandelion—Spot stocks turned up short last week and a minimum quotation was 45c. to 50c. per pound.

Elecampane—Quoted lower at 32c. to 33c. per pound in a dull market.

Lovage — Outlook for collections were not too good in the domestic area notwithstanding the fact that very high prices have prevailed for the little available over the past year.

Mandrake—Conditions suggest that there will be enough to take care of actual requirements if collections equal that of last year.

Tumeric — Haitian futures were quoted at 9½c. to 10c. per pound for a New Orleans or Miami delivery.

Seeds

Caraway—Prices were higher, but it meant little; no firm offerings of spot goods were possible. The nominal quotes were:—Canadian, 93c. per pound; California, Dutch type, 93c.; Spanish, dewhiskered, 90c.; Syrian dewhiskered, 90c.

Celery—Quoted lower at 20½c. to 21c. per pound with a very quiet spot market prevailing last week.

Coriander—Argentine material was higher at 12c. to 12½c. per pound.

Fenugreek — Morocco futures were priced at 11c. to 11½c. per pound. Quotations on domestic meant little in view of the little to be had.

Poppy—Turkish seed now afloat was priced higher at 33c. to 33½c. per pound. There were numerous jobbing orders for blue seed which was unobtainable and won't be until Turkish seed reappears here.

Spices

Cassia—Talked about, yearned for, but still unobtainable regardless of price.

Cloves—Plentiful supplies for the moment has eased all spot prices to the level of 17c. to 17½c. per pound.

Pepper—OPA on April 10 announced that the ceiling price for whole Lampong black pepper for futures contracts on the New York Produce Exchange has been increased to 10.13c. per pound. It had been 6.63c. The order becomes effective April 14 next and was necessary to bring the ceiling for future sales into proper relationship with the increased ceiling prices than became effective October 9 for other sales except those at retail. The new ceiling includes

—Continued on page 70

Obituaries

Dr. M.J. Brown

Dr. Mortimer J. Brown, vice-president of the Roessler & Hasslacher Chemical Company, subsidiary of E. I. duPont de Nemours & Co., at his retirement in 1931, died in Niagara Falls, N. Y., April 8. He was sixty-two years of age.

Stephen M. Birch, advertising manager of the Texas Company since 1938, died recently. He was fifty years of age.

Dr. Charlton C. Curtis, who retired in 1934 as professor of botany at Columbia University, died in Tryon, N. C., April 10. He was eighty years of age.

Walter R. Hill, engineer in charge of the Edgewater, N. J., plant of the Aluminum Company of America, died in Englewood, N. J., April 11. He was fifty years of age.

Harold N. Midtsgang, former export manager for Commercial Solvents Corporation, died in his home in Rockville Center, L. I., last week.

Dr. Paul F. Mueller, general manager of Dynamite-Actien-Gesselschaft, died in Wurgendorf, Germany, April 4. He was sixty-nine years of age.

Frank L. Williams, president of Hamilton Emery & Corundum Company, New York, died in Ridgewood, N. J., April 11. He was seventy-eight years of age.

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The first prescription for halitosis was a 13th century formula of religious origin recorded by Alexandrinus, alias Myrepsus the Ointment Maker, and called "Salt of the Holy Apostles".

The mixture of aromatic herbs was ground in common salt and taken with meals morning and night to sweeten the breath, preserve the sight, prevent falling hair, and relieve breathing.

To aromatic herbs, modern botanical dealers add henna and chamomile as hair aids and allures for entries in the Marriage Handicap.

WAREHOUSE AND MILLS
JERSEY CITY NEW JERSEY

Essential Oils, Other Aromatics

The strength in orange oil was a leading feature last week in the market for essential oils and aromatic chemicals. Loss of Brazilian oil in a local warehouse fire resulted in prices rising. Also, Floridian oil was placed at higher levels as a result of the gaining interest in domestic material.

Considerable rumination was noted anent the report that more bergamot and lemon oil has been bought by the abroad for eventual export to the United States. In the case of bergamot, the buyer has to solve a container problem and then to get space on a returning transport or freighter. As to lemon oil, the report says that the stocks bought will be allocated for army uses. Apparently the army still thinks that lemon powder mixed in canteen water makes a fit drink. But Dogfaces call it a horrible mess. So far as civilian users are concerned, the cupboard for storing lemon oil will remain bare.

Production of new-crop lavender oil is scheduled in France if the country folk there are able to resume employment. It is thought that oil will begin to move to this country as soon as ship space can be found, always providing that the government officials charged with investigating the French market are able to function in a way completely helpful to consumers here.

Most aromatic chemicals occupied a very firm position in which lack of stocks ran headon into numerous orders. With the possible exception of vanillin, stocks were short and likely so to remain until such time as the several producing companies again are able to get sufficient raw material. There is a real tightness in all kinds of musk and an especial crisis in the matter of isoeugenol and most benzyl compounds.

Essential Oils

Almond—Very firm so far as expressed oil was concerned. The turn of events in France suggests the possibility of the resumption of exports of natural bitter almond oil in the not far distant future.

Anise—Sales were restricted almost solely to substitutes and such trade was lively during the past week. There is no good reason to expect an early return of Chinese oil to this market.

Bergamot—According to Washington reports, another supply of this oil has been bought by the army. Containers are said to pose a problem. Solve that problem and the question of shipping space on returning boats and consumers in this country will again be able to secure supplies. It is supposed that at least 90,000 pounds are involved but the actual quantity is not known definitely.

Bois de Rose—There were inquiries in the market last week that went unsatisfied so far as some dealers were concerned and it seems likely that a return to normal reserves is unlikely at any early time. Much depends on sufficient shipping being available. Manufacturing consumers take about all that is offered.

Calamus—Although most dealers lack supplies, a limited quantity is said to be available for regular customers on the basis of $22.50 to $25 per pound. No demand was reported.

Cananga—The market has strong points that are likely to remain until such time as dealers are able to replenish stocks liberally. In most respects, the market at this time is distinctly nominal. Many are totally without stocks.

Capsicum (Oleoresin)—An important quantity of African pepper has been detained by the Food and Drug Administration because of contamination by rat excreta and infestation by live insects. It remains to be seen if these goods will be released for manufacturing processes that would destroy the objectionable matter.

Cassia—Former suppliers watch Far East events anxiously with a view to placing replacement orders at the first possible moment. Until China is invaded, little progress toward that "moment" is possible.

Market Trends

Prices Advanced

Orange, Brazilian, 10c. per lb.
Floridian, 15c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
217.2	217.2	217.3	263.7

Cedarleaf—Stocks in hand were rather conservative, yet the call was also light and left the market without factors likely to motivate prices in the nearby future.

Celery—Raw material declined again on spot last week, but no further downward movement took place in goods for forward delivery. Prices for oil were steady and demand was well maintained.

Clove—Although supplies of spice have increased, the stocks of oil continued to be well sold ahead, and distillers report inability to create much reserve against the time when raw material may become tight again. Demand for oil was good.

Coriander—Some Morocco seed is coming to this country, and future delivery prices have been already estabtablished. Resumption of imports of oil from Europe is not likely at any reasonably close date.

Eucalyptus—The trend of war events in the Far East is rather opposed to the reestablishment of normal exports of this oil from the primary market to the United States. Stocks were woefully small last week in a very strong market.

Ginger—Some reports last week said that shipment of African root has already been resumed. At least, there now seems to be a fair chance of some root actually reaching here.

Grapefruit—Numerous orders in the market showed that the spot has no abundahce of stocks and that prices are definitely on the firm side and subject to very little competition.

Lavender—A blackout of news prevails concerning progress in reestablishing the movement of flower oil from France to this country. There is reason to expect that, as the result of government officers' work in France, restoration of stocks here is likely, and it is now believed that the quality can be controlled as related to prices to be paid. In all probability full restoration will await the end of Germany as a military force and the production of new crop oil. Such production should get under way now, but how extensive it can be made is another question directly tied with the events of war and what issues therefrom.

Lemon—The army is reported by Washington to have bought further quantities of Italian and Sicilian oil, but the news is accompanied by the further information that all the oil bought will be required to make products for the military forces. Apparently the infantry is still to be supplied with the lemon powder, which is part of some K rations. It is the powder against which the Dogfaces have made loud and bitter squawks because, when mixed with canteen water, it makes a pretty horrible drink. So, domestic civilian users can continue to keep used to getting along on very limited quantities.

Nutmeg—British reports recently mentioned establishment of higher prices for this oil in British markets. On spot, there is no market since there is practically no oil. Substitutes alone are generally available.

Orange—A considerable quantity was reported lost in a recent warehouse fire in this city. Spot prices have worked up to $1.40 to $1.45 per pound. Florida oil is also minimum at $1.40 to $1.45 in drums.

Peppermint—It appears probable that a substantial crop of peppermint is going into the ground in the Middlewest, and there is reason to look forward also to a good planting on the Pacific coast. Whether aacreage in 1945 will exceed that of 1944 remains to be developed.

Rosemary—Well supplied in most quarters and moving very well most of the time at very steady prices.

Tansy—It may be doubted that labor for the production of important quantities of this oil will be available this Summer in the primary market.

For Current prices see alphabetical listing beginning on page 9.

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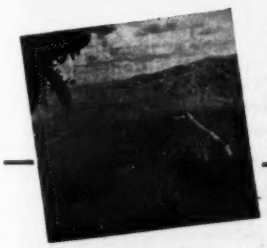

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Aromatic Chemicals

Isoeugenol—Leading suppliers indicate that their orders exceed supply by a liberal margin, thus keeping the market position wound tight.

Linalool—Steady demand was reported and kept prices free from any tendency toward fluctuation in favor of buyers.

Menthol—Brazilian natural menthol has entered a period of fair price stability now that Brazil has set a floor that means a duty paid, landed cost of $9.75 per pound in this country.

Methyl Acetophenone — Business was moderate, but the supply was considerably less than light and hence the basis of the market was one of strength.

Methyl Salicylate — Consumption runs to good-sized totals, and is all that sellers can care for at this time in view of the limitations which raw materials imposed on production.

Musk—The entire group remains in tight supply mainly because of insufficient raw materials for maintenance of production at a level commensurate with consuming possibilities.

A.D. Schulte Made Head of Park & Tilford

Arthur D. Schulte, for the last two years with the Foreign Economic Administration, has just been elected president of Park & Tilford, Inc., New York, succeeding his father, D. A. Schulte, who was elected chairman. Frank G. Handren continues as president of the operating subsidiary corporation in the wine and liquor field and Henry C. Bernard remains president of dye, toiletries and drug subsidiaries.

Evans Chemetics Names Coneybear to Post

S. F. Coneybear has been appointed development manager for Evans Chemetics, Inc., New York, and will have charge of the chemical and specialty fields in product development and promotion.

Packaging Problems Discussed in Booklets

The American Management Association, New York, has available a series of booklets entitled "Packaging from a Production Angle." These booklets, available at a cost of 50 cents to $1 per copy, discuss "Pitflls in Package Production"; "Technical Advances in Packaging"; "Science in Packaging"; "Changes in Packaging Techniques"; "Organizing for Package Development"; "The Economics of Packaging"; "Package Standardization, Simplifiacation, Informative Labeling"; "Improved Methods in Packing and Shipping"; "Techniques of Packing and Shipping."

Textile Fireproofing Demonstration Held

A forum and test demonstration on flame and fireproofing of textiles was held at the New York Board of Trade April 11. The meeting was sponsored by the board's textile section. Discussion leaders included Dr. Herman E. Hager, of the General Dyestuff Corporation; Robert O'Hara of Banco, Inc. Test demonstrations were conducted by C. A. Baker, of the U. S. Testing Company.

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Textile and Leather Chemicals

Buying interest in tanstuffs, with the exception of myrobalans, continued active during the week, but trading lacked snap because of the low supplies reported at foreign producing centers. Inquiry for myrobalans for shipment has slackened owing to heavy recent arrivals and the tone of the market was slightly easier, although other tanstuffs were firm.

Production of corn starch and starch by-products has been seriously reduced by the increasing loss of workers at corn refining plants essential to war industry. Wartime schedules of several large plants in the corn belt are currently well below capacity levels. The drafting of workers, many of whom have been reclassified after previous deferment, is the chief cause of this manpower shortage. Other sizing materials continued in light supply with some possibilities of improvement in the situation during the next month or two.

The production of cotton broad woven goods, other than tire fabrics, in the United States during the October-December, 1944, was 2,318,060,000 yards. This is increase of one percent over the 2,294,165,000 yards produced in the third quarter of 1944, but is almost 8 percent less than the 2,512,936,000 yards produced in the fourth quarter of 1943. Cotton tire fabric production of 45,055,000 pounds is 9 percent lower than the 49,517,000 pounds reported for the third quarter of 1944 and 15.2 percent lower than the 53,103,000 pounds reported for the fourth quarter of 1943. according to the Bureau of Census.

Chemicals

Alumina Chloride—Market unchanged and steady. Demand moderate for prompt delivery. Supplies not heavy.

Alumina Formate—Consumers taking fair sized quantities against former contracts. Prices well held at former levels.

Chrome Acetate—Demand against former contracts absorbing the bulk of production. Market firm and unchanged.

Bichromates—Tighter control in allocation of soda bichromate because of increased military requirements, has resulted in the substitution of chrome tanning compounds and further substitution may be necessary in the next few months, according to WPB. Bulk of production moving steadily on allocation for military needs. Market strong at ceilings.

Soda Formate—Steady consuming demand taking the bulk of output at current ceilings. Market steady.

Sulphonated Oils—Conditions continued firm under an active call for all grades. Scarcity of animal and vegetable oils keeping the market in a tight position. Prices firm at ceilings.

Dyestuffs

Annatto—Small quantities were moving in a hand-to-mouth manner. Supplies were limited on spot and the arrival of replacements have been delayed by the lack of cargo space at primary centers.

Cochineal—Trading was light and confined to small lots on spot at former quotations. Shipments from Peru were held at 35c. per pound.

Fustic—Demand was routine. Market was steady and quotations unchanged.

Sizing Materials

Albumen, Blood—Trading continued active for immediate and prompt delivery. Deliveries against former orders also were in good request. Prices were well held. Dried soluble was firm and in steady demand.

Albumen Egg—Tight supply conditions continued to affect business. Demand was active and exceeded the supply. Production was still backward and little improvement in the supply situation was expected until May or June. Supplies of the technical while not heavy were adequate to meet a moderate consuming call. Quotations were firm for all grades at ceilings. Storage stocks of dried eggs on March 1 were 111,000,000 pounds compared with 51,000,000 pounds a year ago. Approximately 107,000,000 pounds in storage on March 1 were government-owned.

Egg Yolk — While demand was urgent, scarcity of supplies continued to curtail trading. Output was still limited and little improvement was expected for the next month or two. Business of late has been confined to small lots for immediate delivery, with holders favoring their regular customers. Prices were steady at ceilings.

Starch, Corn—While an excellent demand continued to feature this market, the scarcity of supplies owing to the manpower shortage reducing the output of all corn derivatives, delaying deliveries from three to four weeks. The visible corn supply showed a further increase during the week ended April 7 of 436,000 bushels to 20,132,000 bushels as compared with 10,706,000 bushels a year ago, according to the Chicago of Trade. WFA reported purchases of powdered and pearl cornstarch totaling 1,300,000 pounds from 3.737c. to 3.9072c. per pound in bags, f.o.b., works, Iowa, on March 29.

Starch, Potato — Consumers were awaiting additional information concerning the setting up of government machinery for the diversion of potatoes from the government stockpile to be ground into starch to augment the low supply of this product. Inquiry was active, but trading was dull because of scarcity of supplies.

Starch, Sweet Potato—Owing to the scarcity of supplies, this market continued dull and was entirely nominal.

Tapioca Flour—Advices from Brazil stated that the exportation of all types of manioc flour have been prohibited for a period of six months beginning March 2 by order No. 356 of the Coordinator of Economic Mobilization published in the Diario Official of March 7. If an exportable surplus should develop within the six months' period, the Coordinator will notify the Export-Import department of the Bank of Brazil which is authorized to issue export licenses.

Tanning Materials

Divi-Divi—Consuming inquiry continued active, but business was restricted owing to the scarcity of offerings at producing centers. Market was firm at current quotations.

Mangrove Bark—Business was quiet, though a good inquiry was noted for prompt shipment from primary centers. Available supplies for shipment from Africa were limited and closely held at prevailing prices. Interest in extract was active, but offerings from abroad were scarce. Prices were steady.

Myrobalans—Available supplies for shipment were more liberal, with buyers showing less interest. Recent heavy arrivals have taken the edge off the market and the tone was slightly easier. Sellers, however, were naming former quotations. Receipts were reported at 67 tons and 3,115 bags for delivery against prior orders.

Quebracho — While offerings continued fairly liberal for shipment, receipts against recent contracts have been considerably delayed from producing points—by the lack of cargo space. This condition was improved somewhat during the week by receipts of extract reported at 41,065 bags, also several hundred tons at a Gulf port consigned to the tanning industry against prior contracts. Market was firm at ceilings.

Wattle Bark—Offerings of bark and extract continued light with buying interest active. Trading was limited with some business in bark reported at the ceiling for May-June shipment from Africa. Additional business was unaccepted because of the existing tight supply situation at primary points.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
279.7	279.7	279.7	262.9

For Current prices see alphabetical listing beginning on page 9.

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2—9' dia. all iron Calandria Pans, 1,000 sq. ft., heating surface, each one with jet ejector, one with Vacuum Pump.

1—12'8" dia. Swenson, Vertical, all steel, single effect, Film Type Evaporator.

Miscellaneous: Pumps, Packaging Machinery, Coil and Calandria Pans

Send for Printed Circular
ARRANGE TO INSPECT

WANTED—YOUR IDLE MACHINES
There's still a War to be Won. Help production! Send your list NOW.

THE KEY TO SAVING TIME AND MONEY
FOR OVER A QUARTER CENTURY A SYMBOL OF CONFIDENCE
CONSOLIDATED PRODUCTS COMPANY, INC.

WE BUY FROM SINGLE ITEMS TO COMPLETE PLANTS
"Every Machine in Your Plant is a Used Machine"

13-18 PARK ROW, NEW YORK 7, N. Y. — TEL. BArclay 7-0600
Shops: 335 Doremus Ave., Newark, N. J. Cable Address: Equipment, N.Y

POSITIONS VACANT

Partner Chemist wanted with or without part-time service to make moderate investment in mail order proprietary remedies business located in New York City. Excellent post-war opportunity. Give full particulars, education, experience for personal interview. OPD 827.

Chemist for paint and varnish factory; metropolitan area, must be experienced formulator, shader and production man; good postwar opportunity at attractive salary; give full details in confidence for prompt personal interview. OPD 825.

Soap maker for liquid and paste soap. Permanent position with good future. Progressive concern in Great Lakes area. State experience, salary expected. Give full details in first letter. OPD 830.

POSITIONS VACANT

Tablet man wanted by pharmaceutical house in Middle West. Want man experienced in granulation, compression and coating, and able to take charge of department. Give qualifications, salary expected in reply to OPD 832.

Women Chemists—B.S. or M.S. degree. One year experience, preferably organics, for development work. Lamon Chemical Corporation, 494-498 Hunts Point avenue, Bronx 59, N. Y. DA 3-7030.

Wanted—Plant superintendent or chemist, thoroughly versed in formulation and manufacture of resin-oil emulsion paints. Unusual opportunity with substantial, progressive Midwest manufacturer. Give complete details. Replies confidential. OPD 831.

POSITIONS VACANT

Salesmen (Medical Detailers). Well established manufacturer of pharmaceutical specialties requires representatives to detail physicians in Cleveland, Detroit and Washington. Answer fully regarding experience, education, age, draft status and all personal data. Box 599, William Penn Annex, Philadelphia 5, Pa.

POSITIONS WANTED

Pharm. Chemist as superintendent of manufacturing or in managerial position. Thorough knowledge of tablet, liquid, ointment, etc., manufacture. Have initiative, ability to organize, and experience. Must have future possibilities with progressive and expanding company. OPD 826.

POSITIONS WANTED

Position desired in production, purchasing or selling by American with technical education, 46 years of age, with over 20 years' experience in chemical industry. Location, metropolitan New York. Excellent references. OPD 828.

SERVICES OFFERED

Bulk liquid storage in metropolitan New York area available in 12,000 and 18,000 gallon units. Steam available. Facilities for handling in and out by tankcars or tankwagons. Also packaging in drums, barrels or cans and truck delivery in above territory. Rates on application. OPD 833.

FOR SALE

3—No. 600 De Laval Clarifiers.
2—4 x 6′ Atmospheric Drum Dryers.
3—Oliver Filters: 5 x 4 and 6 x 4′.
1—Howe 3500 lb. Dormant Platform Scale.
1—3′ Copper Vacuum Pan.
2—Mikro Pulverizers: 12″ and 24″.
4—Lead Lined Tanks, 400-1000 gallons.
1—Buflovac 10 gal. jack. Autoclave.
6—(New) 36″ Stoneware Vacuum Filters.
2—Lard Rolls: 4 x 9′ single, 2 x 5′ double.
1—40″ Tolhurst copper basket Centrifugal.
2—(New) Triangle Carton Filling Lines.
1—100 gal. W.&P. jack. Mixer.
4—Water Stills: 10 and 25 G.P.H.
8—3-roll Mills: 16 x 40 and 12 x 30″.

What equipment have you for sale?

LOEB EQUIPMENT SUPPLY CO.
909 N. Marshfield Ave., Chicago 22, Ill.

FOR SALE

3—12 in. x 30 in. Roller Mills
2—16 in. x 40 in. three steel roller mills
PONY MIXERS from 2½ gallons to 40 gallons
5—Change Can Mixers
1—210 gallon Buhr Stone lined Pebble Mill.
2—Practically new 750 gallon Porcelain lined Pebble Mills.
3—32 in. x 36 in. PEBBLE MILLS.
10—1000 gallon steel square storage tanks
10—2000 gallon steel square storage tanks
5—9 in. x 24 in. motor driven roller mills

Specializing in Rebuilt Machinery

IRVING BARCAN COMPANY
50 CHURCH ST., NEW YORK 7, N.Y.

DRYERS

1—Buflovak Vac. Drum Dryer, 24″x20″ Steel Drum.
1—Devine 48″x40″ Double Drum Vac. Dryer.
1—Devine Rotary Vac. Dryer 5′x33′.
1—Buflovak 6′x5′ Vac. Drum Dryer Chrome Plated.
1—Gas Heated Cabinet Shelf Dryer, 8′x4′x7′-6″ high.
1—Electrically Htd. Cabinet Shelf Dryer, 34″x44″x52″ high.

MIXERS

1—Read Jacketed Mixer M.D. 75 Gals.
1—W. & P. Rotacan Mixer, 100 Gals.
1—W. & P. Jack. Double Arm Mixer 20 Gals. Wkg. Cap. with 10 H.P. 3 Ph. 220 V. Motor.
1—W. & P. Size 6 Double Arm Mixer 2¼ Gals.
1—Day 2½ Gals. All Bronze Mixer, Fish Tail Blades.
1—Day 400 Lb. Heavy Duty Spiral Mixer G.I., M.D.
1—W. & P. Vertical Jack. Mixing Tank, Closed, 500 Gals.

Your surplus may help others. Send us your lists.

MACHINERY & EQUIPMENT CORPORATION (of N.Y.)
533 West Broadway New York 12, N.Y.
GRamercy 5-6680

Linseed Oil Output Reported for Oct. Period

The Flax Institute of the United States has issued the following compilation on linseed oil for the October quarter:—

	Gallons 1944
Stocks on hand Sept. 30, 1944	41,424,800
Production, Oct.-Nov.-Dec.	21,569,199
Imports, not reported	.....
Total	62,993,999
Less stocks, Dec. 31, 1944	35,188,933
Consumption, Oct.-Nov.-Dec.	27,805,066
Increase over 1943	4.05%
Twelve months' consumption—	
Gallons	126,588,930
Bushels	50,635,572
Quantity of flaxseed crushed in the U.S.A. of domestic and foreign origin, in bushels.	48,873,393
U.S. crop for the year 1944—	
Acres	2,794,000
Production, bushels	23,527,000
Less sowing supply	1,800,000
For consumption, bushels	21,727,000

Metals Refining Company, division of The Glidden Company, Hammond, Ind., has been awarded its second Army-Navy "E" Production Award.

SPECIALS!

2—Old Faithful Double Drum and Barrel Washers, motor driven.
3—Copper Varnish Kettles, 100, 175 gals.
2—Lead Mixers, 100, 140 gals.
1—Day 2,000-lb. Jacketed Dry Powder Mixer, motor driven
1—W. & P. 150 gals. Mixer, stainless steel lined
1—W. & P. 100 gals. Steam Jacketed Vacuum Mixer, stainless steel
5—Day, Ross Mixers, 30 to 100 gals.
2—Day 600 and 1,500-lb. Dry Powder Mixers
1—Sweetland No. 5 Filter, with 29 copper leaves
5—Oliver Filters, 3′ x 2′ to 8′ x 10′
6—Shriver Cast Iron Filter Presses, 36″, 32″, 30″, 24″
5—Shriver Wood Filter Press Skeletons, 24″ to 42″
1—Vallez No. 59C Rotary Filter, 945 sq. ft.
4—Pebble Mills, 3′ x 3′, 2′ x 3′
2—Abbe Eureka Jar Mills, 15 gals.
2—Hardinge Mills, 2′ x 8″, 6′ x 4′
2—Jeffrey Hammer Mills, 24″ x 18″, 20″ x 12″
1—Raymond No. 0000 Pulverizer, ball bearing, 15 HP motor
3—Day 12″ x 32″ Roller Mills, belt and motor driven
2—Kent 20″ Tandem Stone Mills
2—Kent Lab. 8″ Stone Mills
3—Sharples No. 6 Pressurtite Centrifuges
2—Sharples, De Laval Clarifiers
2—Tolhurst 40″ Suspended Type Centrifugals, with 15 HP AC motors
2—Tolhurst 32″, 40″ Centrifugals, solid baskets
4—American Tool 40″ and 48″ Centrifugals
1—Stokes 3′ x 15′ Rotary Vacuum Dryer
1—Vulcan 6′ x 42′ Rotary Dryer
3—Buflovak Vacuum Drum Dryers, 24″ x 20″, 48″ x 40″, 5′ x 6′
4—Louisville Rotary Steam Tube Dryers, 6′ x 25′ to 6′ x 40′
3—Chilling Rolls, 4′ x 9′, 5′ x 7′
1—500 gals. Steel Jacketed Still, with 24″ column
2—Steel and Copper Vacuum Pans, 50 and 100 gals.
1—7′ dia. Tinned Copper Converter.
5—Steel Jacketed Kettles, 600 to 1,200 gals., some agitated
1—100 gals. Motor Driven Jacketed, Agitated Kettle
2—Swenson Continuous Crystallizers, 24″ x 30′
1—La Bour 2″ Stainless Steel Pump
2—Devine 10″ x 10″ Two Stage Vacuum Pumps
3—Condensers, 50 to 200 sq. ft.
1—Single Punch Tablet Machine, 1¼″ punch

Partial List only. Your inquiries solicited. Send us your lists of surplus equipment.

BRILL
Equipment Co.
225 WEST 34th STREET
NEW YORK 1, N. Y.
BRyant 9-2040

2—Batteries (9 and 11) Tolhurst 40″ Suspended Type, Centrifugals, Motor Driven, Bottom Discharge.

12—New Closed Stainless Steel Tanks, 268 gals. each.
800 ft.—Ball Bearing Roller Conveyor, 12″, 15″ & 18″ wide, approx. 15 ft. lengths.
12—Filter Presses, Iron, Wood and Rubber. 18″ to 42″ sq.
1—500 gal. Pfaudler Glass Lined closed agit. jack. Kettle.
1—Ball & Jewell No. 1½ Rotary Cutter.
1—54″x48″ Silex Lined Pebble Mill.
2—No. 0000 and No. 0 Raymond Mills.
2—Bonnot 27″ dia. Iron Filter Presses.
6—Autoclaves, 200 to 1,500 gals.
12—Vertical, jacketed, agitated Kettles, up to 1,500 gals.
3—10, 250 & 1,500 gal. lead lined closed Kettles.
2—Dopp 50 & 80 gal. Jack. Agit. Kettles.
1—250 gal. Copper Jack. Vac. Still and Receivor.
1—Pfaudler 350 gal. Jack. Agit. Steel Kettle. Copper Lined.
1—700 gal. Steel Copper Lined Vac. Filter Tank.
1—600 gal. Steel Copper Lined Agit. Tank.
6—20, 35, 75 & 250 gal. Closed. Agitated Jacketed Copper Kettles.
20—50 gal. Vert. Agitated Steel Tanks with Nettco Drives.
3—Single Punch Preform Tablet Machines, ⅛″ & ¾″.
1—Cherry-Burrel Homogenizer, 300 GPH.
25—Hydr. Presses, Pumps and Accumulators.
1—Houchin 4″ Plodder, Motor Driven.
1—Dunning & Boschert 2,000 lb. Double Arm Steel Powder Mixer.
2—Blystone 2,000 lb. Jacketed, Horiz., Paddle Type Steel Mixers.
1—25 gal. Ross Double Arm Heavy Duty Tilting Mixer.
6—Horizontal Mixers, 25 to 150 gals., Single & Double Arm.
1—Faust 150 gal. Jack. Spiral Mixer.
1—Robinson 20″ M.D. Attrition Mill.
1—Howe Barrel & Bag Packer.
2—4,000 gal. Vert. Acid Proof Tanks.
3—Devine Horiz. Vac. Pumps, 8″x6″ & 4″x6″.
2—Wall Vert. Dry Vac. Pumps, 4″x2½″, Motor Driven.
1—Devine No. 37X, Vert. Condenser & Receiver.
1—No. 3 Oliver 14″x8″ Duplex Vacuum Pump.
1—Penn. Vac. Pump, 14″x5″.
2—National Acme Model C20, Stainless Steel Centrifuges.
2—DeLaval Separators, Lab. size & No. 302.
2—DeLaval Multiple Clarifiers, Nos. 300 & 600, motor driven.
2—Day & Ross 8 gal. Pony Mixers.
1—Ross 2 Roll Granite Stone Mill, 8″x12″.
1—5 Roll water cooled 16″x40″ Steel Roller Mill.
2—Ross 3 Roll Water Cooled 12″x30″ & 16″x40″ Steel Roller Mills.
3—Double Stand Steel 4 Roller Mills, 7″x18″, 7½″x20″ & 7½″x30″ Rolls.
10—Pebble & Jar Mills, Lab. to 250 gal.
3—Tolhurst 24″, 26″ & 40″ Centrifugals.
2—Stone Mills, 8″ to 32″.
8—Lead & Paste Mixers, 50 to 135 gals.
5—Varnish Kettles, 100 to 200 gals.
10—Steel & Wood Tanks, up to 4,000 gal.
1—Schutz-O'Neil 20″ Pulverizer.
2—Double Roll Crushers.
3—Williams No. 2XX & No. 3 "Regular" type Hammer Mills.
10—Electric Agitators, ¼ to 2 HP.
10—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, Lab. to 10 HP.

Only Partial Listings
Write for Complete Bulletins
We Buy Your Surplus Machinery

STEIN EQUIPMENT COMPANY
Department E
426 BROOME ST., NEW YORK 13, N. Y.
CANAL 6-8147

THIS MAY BE YOUR ANSWER

1—Rotex Sifter 20x48″ Belt Drive.
1—Rotex Sifter No. 42 40x84″ 3 sep.
5—Hammermills from 5 to 40 HP—Williams and Gruendler.
10—Jacketed Kettles from 7 to 250 gallons — Aluminum — Stainless Steel—Copper—Cast Iron.
1—Abbe No. 2 Rotary Cutter.
1—Read double arm 100 gal. mixer MD.
1—Stokes No. 13 Auger Type powder Filler.

Miscellaneous

75-gallon Rubber lined tank.
Stokes Granulating Mixer.
Day Drug Mills.
14″x18″ Ointment Mills—Blowers—Dust Collectors — Autoclaves — Filter Presses, etc.

WHAT HAVE YOU FOR SALE?

Chemical & Process Machinery Corp.
146-8 Grand Street New York 13, N.Y.
Tel: WOrth 4-8130

LIQUIDATING

1—500 gallon Devine High Pressure Autoclave.
1—Dopp Steam Jacketed Mixing Kettle.
5—Copper Steam Jacketed Mixing Kettles.
3—Paterson Silex Lined Pebble Mills.

SPECIAL

BOILERS AND TURBO GENERATORS

30—High Pressure Water Tube Boilers, from 250 H.P. to 600 H.P.
8—Turbo Generators, from 400 K.W. to 2750 K.W.

Send for special circular.

4—8000 gallon Steel Pressure Tanks.
75—Ton Cast Iron Pipe 8″ to 18″
4—Permutit Water Softeners.
1—500 gal. Steam Jacketed Copper Kettle.
4—H & T Water Filters, 8′ x 20′.

***Republic* TEXTILE EQUIPMENT COMPANY**
40 Worth Street, New York 13, N.Y.
Phone: COrtlandt 7-1591

ABBE PEBBLE MILL

Size 6 ft. dia. x 5 ft. long
Porcelain Lining
Complete with 20 h. p. motor
Silent Chain Drive
Compensator and Switch

EMSCO EQUIPMENT COMPANY
EMIL A. SCHROTH, Owner
43 HYATT AVE., NEWARK 5, N.J.
Phone: Mitchell 2-3536

IN STOCK

40″ DIA. C.I. RECTIFYING COLUMNS. Containing 24 bubble cap type plates, 6 caps per plate. Complete with coolers.

78″ DIA. C.I. RECTIFYING COLUMNS. 30 bubble cap type plates with 13 caps per plate. Complete with coolers.

3′4″ to 10′0″ STEEL COLUMN containing 18—8′4″ dia. and 9—10′0″ dia. bubble cap type plates. Drawings available.

48″ DIA. EVERDUR COLUMN—Bubble cap type plates. An exceptional value.

TANKS, COPPER, STEEL, BRASS, ALUMINUM, STAINLESS—Large stock.

AMMONIA COOLERS.

HAMMER MILL: Williams, Cap. 1,000 to 1,200 lbs. corn per hour.

3—JEFFREY SWING HAMMER SHREDDERS, type E, size 42″ x 36″ compl. with Westinghouse 100 H.P. motor, etc.

PUMPS—CENTRIFUGAL AND STEAM, all sizes. Bronze or Iron.

TUBING & PIPE—Stainless, Brass, Aluminum, Copper.

YEAST CULTURE MACHINE—All Copper.

ACE OIL BURNER—Excellent condition.

LAWRENCE TRIPLE EFFECT EVAPORATOR. Complete in one body.

3—COIL-TYPE VACUUM PANS: (Complete with Condensers, Catch-alls, etc.)

2—WORTHINGTON CONDENSERS—1,150 sq. ft. surface each—complete with Simplex Pumps. Others from 100 to 1,000 sq. ft. of surface.

SPECIAL . . . COCHRANE SURFACE TYPE DEAERATOR HEATER
Designed for 40 lb. Working Press. Will sell at fraction of original cost.

Close Out: Valves—All Sizes

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A single piece or a complete plant. Send Us Your List

Write for Our Complete List

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P. O. BOX "E", ORELAND, PENNA.

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T & B STANDARDIZED GUMS
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PHILADELPHIA 6, PA.
CABLE ADDRESS ——— VANCORT
CODES - BENTLEY'S SECOND PHRASE
——— AND PRIVATE ———

Botanical Drugs

Continued from page 64

the cost of warehousing and storage charges for one month.

Markets at Other Centers

Los Angeles, April 11.—Trading in botanical drugs and spices picked up here this week, but no price changes were recorded. All business was done in futures. Prices are:—

Calendula Flowers—Nominal at $2 per pound.

Marjoram—French type named at 45c. per pound in dried form.

Sage—Dalmation type, 80c. per pound for small lots containing less than 12 percent stems. Leucophylla was named at 55c. for small lots.

Savory—French type nominal at 90c. per pound in small lots.

Sweet Basil—Quoted at 90c. per pound in dried form.

Thyme—French type nominal at 90c. per pound in dried and clean form.

MUSTARD FLOUR

ALL GRADES
USP
USP BROWN
Special for Mayonnaise

Old Dutch Mustard Co., Inc.
Manufacturers
70 METROPOLITAN AVE., BROOKLYN 11, N.Y.
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BOSTON:
P. A. HOUGHTON INC.
PHILADELPHIA
R. PELTZ & CO.
ST. LOUIS:
H. A. BAUMSTARK & CO.

GUMS:
GUM ARABIC — GUM TRAGACANTH
GUM ARABIC BLEACHED — GUM EGYPTIAN
GUM GHATTI — GUM LOCUST (Carob Flour)
GUM KARAYA (Indian) — QUINCE SEED

SPECIALTIES:
MENTHOL (Crystals) — CREAM OF TARTAR
PEPPERMINT OIL — GLUCOSE (U.S.P.)
TARTARIC ACID — COUMARIN

EGG ALBUMEN — JAPAN WAX (Special)
EGG YOLK — CANDELILLA WAX
BLOOD ALBUMEN — CASEIN

PAUL A. DUNKEL & CO., Inc.
1 WALL STREET
NEW YORK 5, N.Y.
Hanover 2-3750
IMPORTERS AND EXPORTERS
CHICAGO: 919 N. MICHIGAN AVE., TEL. SUP. 2462

Recent Imports

—Continued from page 4

CLOVES—100 bls, 14,000 lbs, D Hecht Co
75 bls, 10,500 lbs, C T Wilson & Co
100 bls, 14,000 lbs, L Furth Co
20 bls, 2,800 lbs, R J Spitz Co
10 bls, 1,400 lbs, E F Drew & Co
50 bls, 7,000 lbs, Levy & Levis Co
100 bls, 14,000 lbs, Arthur G Dunn
10 bls, 1,400 lbs, Dodge & Olcott Co

COCHINEAL—70 bgs, W R Grace & Co

COCOA BEANS—500 bgs, 100,000 lbs, Wessel, Kulenkampf & Co
500 bgs, 100,000 lbs, Cocoa Importing Co
500 bgs 100,000 lbs, Kennedy, Butcher & Co
800 bgs, 160,000 lbs, Daarnhouwer & Co
500 bgs, 100,000 lbs, W R Grace & Co
500 bgs, 100,000 lbs, Middleton & Co
500 bgs, 100,000 lbs, A C Israel Commodity Co
300 bgs, 600,000 lbs, Nieschlag & Co
500 bgs, 100,000 lbs, Gillespie & Co

COCONUT DESIC—552 cs, Durkee Famous Foods
388 cs, Wood & Selick
100 cs, General Foods Co

COLOMBO ROOT—15 bgs, W E Martin
12 bgs, L & R Millen
8 bgs, R J Prentiss & Co

COPRA—6,943,944 lbs

COTTONSEED MEAL—569 bgs, 56,900 lbs, Wessel, Duval & Co
8,467 bgs, 846,700 lbs, Ashcraft, Wilkinson & Co

CUBE ROOT, PWD—80 bgs

FISH LIVERS—50 bbls

FLEASEED HUSK—5 bgs, T M Duche & Sons
4 bgs, S B Penick & Co

GLUESTOCK, FLESHINGS—212 bls

GUM, ARABIC—16,123 lbs
GUAIAC—4 bgs, Schutte & Focke
INDUSTRIAL—50 cks, J P Marston & Co
KARAYA—3 bgs, Jacques Wolf & Co
6 bgs, Innis, Speiden & Co
5 bgs, Wessel, Duval & Co
3 bgs, Wm M Allison & Co
6 bgs, Judson Sheldon Corp
4 bgs, Ahmed Akhavan
TRAGACANTH—11 cs, Albert Alfandary

HAIR, GOAT—30 bls, Corn Exchange Bank & Trust Co
HORSE—1 bl, Remco International Co

IRON OXIDE—15 cks

KYANITE—275 tons, C Taylor Son Co

MANGROVE BARK—75 bgs, Bingham & Co
75 bgs, Geo Uhe Co
100 bgs, Guaranty Trust Co
100 bgs, Tannin Product Export Co

MARJORAM LEAVES—200 bgs, W R Grace & Co

MENTHOL—5 cs, Vic Chemical Co

MYROBALANS—3,115 bgs
134,680 lbs

OIL, CITRONELLA—15 dms, Dodge & Olcott Co
50 dms, Orbis Product Co
44 dms, Volkart Bros
15 dms, Magnus, Mabee & Reynard
12,956 lbs

CODLIVER—(Correction)—In previous issue Presta Co was credited with 825 dms; should have read, 311 bbls and 289 dms, Arista Oil Prods Co
163 dms, Eelsingh & Lughtigheid
1 pkg, National Oil Products Co
1 bbl, Distillation Products Co

ORANGE—7 cs, Consumers Importing Co
7 cs, Fritzsche Bros
7 cs, Polaks & Schwarz

SASSAFRAS—3 dms, Irving Trust Co
2 dms, Lo Curto & Funk

POPPYSEED—8 bgs, 1,040 lbs, R J Spitz Co

PYRETHRUM FLOWERS—161 bls, United States Commercial Co

QUEBRACHO EXTRACT—41,068 bgs, Tannin Product Export Co

QUICKSILVER—11 cyls, Metal Traders
40 bots, Watson, Geach & Co

RESIN—100 bls, Herman Weber & Co

SHELLAC—300 bgs, Parks Co
200 bgs, Gillespie-Rogers-Pyatt Co
725 bgs, MacLac Co
16,800 lbs
BUTTON LAC—110 bgs, Gillespie-Rogers-Pyatt Co
SEEDLAC—200 bgs, Gillespie-Rogers-Pyatt Co

STORAX—2,678 lbs

WAX, BEES—30 bgs, Duncan, Fox & Co
3 bgs, Barclay Bank
4 bgs, Balfour, Guthrie & Co
3 blocks, L Luzzatto Co
6 bgs, Strahl & Pitsch
3 bgs, E A Bromund Co
68 bgs, Schutte & Focke
60 bgs, Analy Corp
72 bgs, Geck Trading Co
34 bgs, Schutte & Focke
CARNAUBA—130 bgs, Strahl & Pitsch
50 bgs, American Cyanamid & Chemical Co
136 bgs, Strohmeyer & Arpe Co
OURICURY—1 bg, A Hirsch & Co
235 bgs, Strahl & Pitsch
300 bgs, S C Johnson & Son
200 bgs, Manufacturers Trust Co
212 bgs, American Cyanamid & Chemical Co
60 bgs, Bank of the Manhattan Co

JKL

WE OFFER
FOR PROMPT SHIPMENT:

HENBANE LEAVES NIGER
HYOSCIAMUS MUTICUS
ORRIS ROOT
STROPHANTHUS SEED KOMBE & GRATUS
WORMWOOD LEAVES RUSSIAN

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(LONDON) LTD.,
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REPRESENTATIVE FOR U. S. A. AND CANADA:
HERBERT H. PARKER
2 Broadway, New York 4, N. Y.

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